SEIKO

JT-601 JUDO Timer

OPERATING MANUAL

Thank you for purchasing SEIKO JUDO TIMER JT-601. Before using your SEIKO JUDO TIMER, please read this manual carefully for its proper use and care. Keep this manual handy for ready reference.

CAUTION

- (1) This manual may not be copied or reproduced in any form, in whole or in part, without the express written consent of SEIKO.
- (2) This manual may be subject to change without notice.
- (3) This manual has been prepared carefully to provide you with complete information for the operation of this product. For the purpose of constant improvement in this manual, your suggestions and comments on the descriptions included in it are highly appreciated.
- (4) SEIKO shall not be liable for any failure of this product or direct or indirect damages resulting from such failure if such failure is caused due to abuse, misuse, failure to observe instructions in this manual and neglect of other reasonable care, and servicing, changes, modifications or alterations performed by other than SEIKO or a servicing contractor authorized by SEIKO.

SAFETY ALERT SYMBOLS

The symbols and terms used in this manual have the meaning as explained below:



WARNING is used to indicate a potentially hazardous situation which is likely to cause death or severe personal injury if the instructions under this heading are not followed correctly.



CAUTION is used to indicate a potentially hazardous situation which is likely to cause personal injury or property loss if the instructions under this heading are not followed correctly.

The following pictorial symbols indicate what must NOT be done.





Prohibition against

disassembly/

tampering



Prohibition against use near water



Prohibition against handling with wet hands



Prohibition against exposure to water

The following pictorial symbols indicate what must be done.







Extraction of power plug

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1. SAFETY PRECAUTIONS

The following precautions must be strictly observed for the safety of yourself and your fellow workers and for the protection of property from loss and damages.

Actions to be taken in case of troubles	If the Product is giving out smoke or burnt smell, or showing other abnormal symptoms, turn off the power switch and cut the power supply immediately. Then, call your nearby SEIKO dealer or agent for repair service. If the Product is used again without being reconditioned, an electric shock or fire may be caused.	0
	When unplugging the power cord from the outlet, do not pull the cord, but hold the plug. An electric shock, a malfunction or fire may be caused.	0
Caution on cable connection	Never use any damaged power cord or plug, or loose socket. An electric shock, short circuit or fire may result.	\bigcirc
	Do not use the Product at humid or dusty places, or places where the temperature changes abruptly. A short circuit or electric shock may result.	\bigcirc
Prohibition against unauthorized disassembly, repair or modification	Unless you are a qualified electrician, never try to disassemble, repair or modify the Product. For repair service, contact your nearby SEIKO dealer or agent. Unauthorized disassembly, repair or modification may cause an electric shock or fire.	
No foreign matter	Do not let any foreign matter such as pin and a piece of metal enter into the inside of the Product. In case this has occurred, turn off the power switch immediately, and call your nearby SEIKO dealer or agent for inspection. If the Product is used again without being reconditioned, an electric shock or fire may result.	\bigcirc
Prohibition against use near water	The Product is designed for indoor use only, and its case is not water resistant. Never expose the Product to water. Do not use it outdoors or near a swimming pool, where it may be exposed to rain or splashes of water. A short circuit or electric shock may result.	
Prohibition against handling with wet hands	Never operate the Product with wet hands. An electric shock or malfunction may result.	
Prohibition against exposure to water	Do not get the power and other connectors wet. A burn or a malfunction may be caused.	(

Do not leave the Product under direct sunlight for a long time. The temperature inside it may rise excessively to damage the circuit and other parts.	\bigcirc
Before connecting the power cord and other cables to the Product, be sure to check that the power switch is turned off. Do not use any power cord or cable other than specified. Otherwise, an electric shock or malfunction may be caused.	0
This Product is equipped with precision electronic circuits. Misuse or abuse, or rough handling of the Product may adversely affect the performance of such electronic circuits, causing a malfunction and reducing the serviceable life of the Product.	0
When the power switch is turned on and off or vice versa in succession, an interval of at least 5 seconds should be provided between the switch operations.	0
Before moving the Product, be sure to turn off the power switch. An electric shock or malfunction may result.	0
While the Product is not in use, be sure to keep the power plug disconnected from the outlet. Otherwise, the insulation will be deteriorated to cause an electric shock, leakage of electricity, or fire.	
If any abnormal operation occurs due to an abnormal signal transmitted from outside or other causes, turn off the power switch, and then turn it on again after at least 5 seconds.	0
When connecting the cables, insert the plugs properly. Otherwise, a malfunction or abnormal operation may be caused.	0
Do not expose the case of the Product to solvents such as alcohol and gasoline, spray of cosmetics or the like, cleaners, adhesives, or paints. They may discolor, deteriorate or damage the case due to chemical change.	\bigcirc



3. BEFORE USING YOUR JUDO TIMER

1. Insert the plug of the adaptor with power cable securely into the power connector of the main unit. Fix the adaptor with the stopper to prevent it from dropping, and insert the power plug of the adaptor into the outlet properly.







- 2. Turn on the power switch (POWER).
- 3. Press **button to select the desired event or function**.
 - The button is disabled while the setting procedure is performed or the timer is counting.
 - * Judo 1 (for IJF rules) and Judo 2 (for Kodokan rules) differ in the default settings of *Osaekomi* time as shown in the table below.

	Osaeko	Point	
	IJF rules	Kodokan rules	1 Onit
Osaekomi time 1 (I) = P3	25 seconds	30 seconds	Ippon
Osaekomi time 2 (W) = P4	20 seconds	25 seconds	Waza-ari
Osaekomi time 3 (Y) = P5	15 seconds	20 seconds	Yuko

4. FACTORY DEFAULT SETTINGS

a. To reset the current event/function settings to the default settings:

By keeping button pressed for 2 seconds while the setting procedure is not performed, the current event/function settings are cleared, and the factory default settings will be restored.

- b. By turning on the power while keeping subtraction button pressed, all the current settings will be reset to the factory default settings. (The LED on the front side and the display monitor flash for 3 seconds to indicate that all the current settings have been reset.)
- c. For the factory default settings, refer to "4-8 Factory Default Settings (Initial Settings) of Each Event/Function".
- 5. To enable 📷 button, press 📾 button to reset the JUDO TIMER.
- 6. By pressing button, the volume and the manner of ringing of the buzzer can be selected from 5 patterns, namely, "high and continuous", "high and intermittent", "silent", "low and continuous", and "low and intermittent" as shown below.



No mark





* While in the Pace Setter function (4-4), the buzzer rings in a fixed manner irrespective of the above setting.

The buzzer keeps ringing while the buzzer button () is kept pressed.

- 7. A power failure backup function is provided. If the power plug is disconnected from the outlet by accident or a power failure occurs, the display becomes blank, but the condition immediately before the power failure returns when the power is restored, except for the Clock (4-7), which should be re-adjusted.
- 8. When using the JUDO TIMER JT-601 as a master device, press button to select "1. Master". For the details of connection with other devices, refer to "5. CONNECTION WITH OTHER DEVICES INCLUDING ANOTHER JUDO TIMER JT-601".

4. METHOD OF OPERATION

4-1 Judo 1 (for IJF Rules)

* Judo 1 is designed for use for judo contest fought under IJF rules.

(1) Items shown on the display panel:

Contest time/ "Golden Score" contest time *Osaekomi* time Point (I [*Ippon*], W [*Waza-ari*], Y [*Yuko*]) *Shido* (S1, S2, S3) *Hansoku* ("H") Number of injuries (0 ~ 2) Color of contest (M [M/bits] D [Divelor



Color of contestant (W [White], B [Blue] or R [Red] is shown on the monitor display)

(2) Items that can be adjusted:

Contest time (P1), "Golden Score" contest time (P2) (from 0 minutes 00 seconds up to 99 minutes 59 seconds can be set)

Osaekomi time 1 (I) (P3), *Osaekomi* time 2 (W) (P4), *Osaekomi* time 5 (Y) (P5) (from 0 up to 99 seconds can be set)

Non-interlocking/ interlocking between *Osaekomi* time and point (default setting: non-interlocking)

When they are not interlocked, the point should be awarded manually.

When they are interlocked, the corresponding point is awarded automatically when the set *Osaekomi* time has elapsed.

	Osaekomi time	Point
Osaekomi time 1 (I) = P3	25 seconds	Ippon
<i>Osaekomi</i> time 2 (W) = P4	20 seconds	Waza-ari
Osaekomi time 3 (Y) = P5	15 seconds	Yuko

Color of LED in the Osaekomi time section

Settable colors	Osaekomi time 🖊 Hansoku ("H")
Red	Red / Green
Green	Green Red

* Attach the supplied magnet plates (2 pieces) on the front panel with the "S1, S2, S3" side out.

* For the default settings, refer to 4-8 of this manual.

* If the JUDO TIMER is used with the default settings, the following procedure of confirmation/ adjustment of settings need not be performed.

Method of Confirmation/ Adjustment of Settings

Ex.) Contest time: 4 minutes, "Golden Score" contest time: 2 minutes, Osaekomi time 1 (I): 20 seconds, Osaekomi time 2 (W): 15 seconds, Osaekomi time 3 (Y): 10 seconds, and Osaekomi time and point are interlocked.

	point are interlocked	•				
	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To activate contest time/ Osaekomi time setting mode		Mode Select			S:00 1 80 88 80 1 SETTING UP DOWN
2	To change contest time (P1) To register contest time (P1), and move to "Golden Score" contest time (P2) setting	H H H Sec. Protection Verse Colden Reset / Set			P1: 5 min. (default) 4 min. (after change) P2: 3 min. (default)	
3	To change "Golden Score" contest time (P2) To register "Golden Score" contest time (P2), and move to <i>Osaekomi</i> time 1 (I) (P3) setting	Hin. Pyrka Bryta Bry			P2: 2 min. (after change) P3: 25 sec. (default)	
4	To change <i>Osaekomi</i> time 1 (I) (P3) To register <i>Osaekomi</i> time 1 (I) (P3), and move to <i>Osaekomi</i> time 2 (W) (P4) setting	H Min Votro Colden Reset / Set			P3: 20 sec. (after change) P4: 20 sec. (default)	
5	To change <i>Osaekomi</i> time 2 (W) (P4) To register <i>Osaekomi</i> time 2 (W) (P4), and move to <i>Osaekomi</i> time 3 (Y) (P5) setting	Hin, Brain Brain Golden Reset / Set			P4: 15 sec. (after change) P5: 15 sec. (default)	
6	To change <i>Osaekomi</i> time 3 (Y) (P5)	Min. Sec.			P5: 10 sec. (after change)	
7	To interlock <i>Osaekomi</i> time and point			Citor Auto Point	Setting can be made at any time while in setting mode. Event No. on display monitor Non-interlocking: 1 Interlocking: -1	B ID - 1 888 PS 888 8 1 Seffing ≥ Down
8	To change LED color of Osaekomi time digits			Sec. Report	LED color of Osaekomi time digits changes from red to green and vice versa.	LED color on display board is changed, but no change is made on monitor display.
9	To register settings, and change over to contest mode		Mode Select			4:00 -18088801
10	To set colors of contestants		Color Patha Geor		Ex.) (display board) Left side: white Right side: blue The button is enabled in any mode.	$\begin{array}{c c} & & & & \\ \hline & & \\$

*1. With each press of <u>w</u> button while in the setting mode, contest time and "Golden Score" contest time count down and up alternately. Note that *Osaekomi* time counts up only, irrespective of the operation of the button.

• Operation Procedure: Operation of Contest time and Osaekomi Time

Ex.) (Default setting) – Contest time: 5 minutes, "Golden Score" contest time: 3 minutes, *Osaekomi* time 1 (I): 25 seconds, *Osaekomi* time 2 (W): 20 seconds, *Osaekomi* time 3 (Y): 15 seconds, and *Osaekomi* time and point are not interlocked.

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When contest is started:	Start			Contest timer starts counting.	B 5::::: B 4:::: B 4::: B 4
2	When <i>Osakomi</i> starts:			Start Stop	<i>Osaekomi</i> timer starts counting.	While Osaekomi timer is counting, \blacktriangleleft is shown, and colors of contestants flash.
3	To specify contestant applying Osaekomi				When white contestant applies <i>Osaekomi</i> , white LED on display board starts flashing.	"W" (alphabet representing color of contestant applying <i>Setting</i> ∪P DOWN (W) (alphabet representing color of contestant applying <i>Osaekomi</i>) flashes.
4	When Osaekomi is broken, and contest is continuing:			Stort Stop Auto Paint	Stop <i>Osaekomi</i> timer. Reset <i>Osaekomi</i> timer.	B 3: 17 W B 1800 13 800 1 SETTING UP DOWN B 3: 16 W B 1800 13 800 1 SETTING UP DOWN B 3: 15 W B 1800 00 860 1 SETTING UP DOWN
5	When Osaekomi is broken, but another Osaekomi starts immediately:			Reset & Start Timing	When Osaekomi is broken, but another Osaekomi starts immediately:	3: 15 4 81 80 80 80 1 Setting up down
6	When Osaekomi time 1 (for <i>Ippon</i>) has elapsed, or contest time has expired:				Contest timer stops automatically with a buzzer sound, or contest time is counted down to "0".	B 2:50 **** B 1 800 25 8:0 1 SETTING UP DOWN (BUZZER) SETTING UP DOWN
7	When "Golden Score" contest is fought:	Golden Score Resot / Set			"Golden Score" contest time set is shown.	B G Stop W B B B B B B B B C H SETTING UP DOWN B C D D D D D D D D D D D D D D D D D D
8	Operation procedure for "Gold	den Score" o	contest is the	same as tha	at for original contest.	
9	When right-hand contestant has won:		Winner (Select) 1/103cc, ON/OFF			B Color and point section B I BED B Store I SETTING UP DOWN
10	To reset display for a new contest		Game Reset		Display is reset to the settings you have made initially.	B 5:00 W 8 1 8 0 8 8 0 1 Setting up down

*1. If Waza-ari has been awarded to the contestant applying *Osaekomi*, a lapse of 20 seconds of *Osaekomi* time constitutes *Awase-waza Ippon*, and the contest time stops automatically.

*2. To correct the contest time already set, press 📻 button in the contest time section to stop the contest time, and press button in the same section to adjust it as desired. To correct the *Osaekomi* time already set, press 📻 button in the *Osaekomi* time section to stop the

Osaekomi time, and press abutton in the same section to adjust it as desired.

• Operation Procedure: Contest Time and *Osaekomi* Time Operation (When *Osaekomi* Time and Point are Not Interlocked)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When Osakomi starts:			Stort Stop	<i>Osaekomi</i> timer starts counting.	
2	To specify contestant applying Osaekomi			split	When white contestant applies <i>Osaekomi</i> , white LED on display board starts flashing.	B
3	When 15 seconds of <i>Osaekomi</i> time has elapsed:) Yuko Y		Award Yuko (Y) point manually.	
4	When 20 seconds of <i>Osaekomi</i> time has elapsed:) Waza-ari W		Award <i>Waza-ari</i> (W) point manually.	B ◀ 3: 10 0000 8 1 880 20 88 1 1 SETTING UP DOWN
5	When 25 seconds of Osaekomi time has elapsed and <i>Ippon</i> is scored: Contest is ended.) Ippon I		Award <i>Ippon</i> (I) point manually. JUDO TIMER stops automatically with a buzzer sound. Contest timer stops counting.	B

•Operation Procedure: Contest Time and *Osaekomi* Time Operation (When *Osaekomi* Time and Point are Interlocked)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When Osakomi starts:			Start Stop	Osaekomi timer starts counting.	
2	To specify contestant applying Osaekomi			Split	When white contestant applies <i>Osaekomi</i> , white LED on display board starts flashing.	B ← 3:27 W" (alphabet representing - 1 BED B 3 BED 1 SETTING OF DOWN "W" (alphabet representing color of contestant applying <i>Osaekomi</i>) flashes.
3	When 15 seconds of <i>Osaekomi</i> time has elapsed:				Yuko (Y) point is awarded automatically.	
4	When 20 seconds of <i>Osaekomi</i> time has elapsed:				<i>Waza-ari</i> (W) point is awarded automatically.	B ◀ ∃: 10 × × × × × × × × × × × × × × × × × ×
5	When 25 seconds of <i>Osaekomi</i> time has elapsed and <i>Ippon</i> is scored: Contest is ended.				<i>Ippon</i> (I) point is awarded automatically. JUDO TIMER stops automatically with a buzzer sound. Contest timer stops counting.	B 3:05 (Buzzer)

• Operation Procedure: When Mate is Announced during Osaekomi

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When <i>Mate</i> is announced during <i>Osaekomi</i> :	Start Stop			Osaekomi time stops correspondingly with contest time.	
2	<i>Osaekomi</i> is broken.			Start Stop		B 3:20 B 1 8:0 10 8:0 1 SETTING UP DOWN
3	To reset <i>Osaekomi</i> time			Clear Auto Point	<i>Osaekomi</i> time is reset.	B 3:20 Color of contestant B 1 8:0 0 8 8:0 1 SetTING UP DOWN
4	Contest is resumed.	Start			Contest time is restarted.	B 3:20 ♥ B 1800 88 860 1 Setting UP DOWN

• Operation Procedure: When Sono-mama is Announced during Osaekomi

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When Sono-mama is announced during Osaekomi:	Start Stop			Osaekomi time stops correspondingly with contest time.	
2	Contest is resumed.	Stort Stop			Osaekomi time is restarted correspondingly with contest time.	B ◀ 3:20 K K K K K K K K K K K K K K K K K K K

• Operation Procedure: When *Osaekomi* was Broken Immediately before Osaekomi Time Expired and *Ippon* was Scored, but *Osaekomi* Time could not be Stopped and *Ippon* was Awarded (in the case where *Osaekomi* time and point are interlocked)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When 25 seconds of Osaekomi time has elapsed and <i>Ippon</i> is scored:				Ippon (I) point is awarded automatically. JUDO TIMER stops automatically with a buzzer sound. Contest timer stops counting.	B 3:05 5:00 1 - 1 88025 100 1 SETTING UP DOWN
2	When Osaekomi was broken when 24 seconds of Osaekomi time has elapsed, but Osaekomi time could not be stopped:			Sec. Report	Set <i>Osaekomi</i> time to 24 seconds. Point is corrected automatically.	B 3:05
3	To reset Osaekomi time			Clear Auto Point	<i>Osaekomi</i> time is reset.	B 3:05 W - 1 88000 0 10 1 SETTING UP DOWN

*1. If ____ button is pressed before Osaekomo time is corrected, point should be corrected manually.

 Operation Procedure: Contest Time and Osaekomi Time Operation (When Osaekomi Continues after Contest Time has Expired)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	When Osakomi starts:			Start Stop	<i>Osaekomi</i> timer starts counting.	
2	To make color of contestant applying <i>Osaekomi</i> flash			Split	When white contestant applies <i>Osaekomi</i> , white LED on display board starts flashing.	W" (alphabet representing color of contestant applying <i>Setting</i> ∪ P DOWN
3	When <i>Osaekomi</i> continues after contest time has expired:				Contest time is counted up from the time you have set (total contest time elapsed is shown). Buzzer does not ring, and counting of <i>Osaekomi</i> time	B ◀ 0:0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4-1	When <i>Osaekomi</i> time has elapsed and <i>Ippon</i> is scored: Contest is ended.				Continues. JUDO TIMER stops automatically with a buzzer sound. Contest timer stops counting.	B ← 5; 10 → 5, 10 → 5, 10 → 5, 11 \to 5
4-2	When <i>Osaekomi</i> is broken before <i>Osaekomi</i> time expires: Contest is ended.			Start Stop	<i>Osaekomi</i> time stops, and contest is ended with a buzzer sound.	B ← 5:03 → → → → B 5:04 * B + 8:0 1 = 8:0 + SETTING UP DOWN (Buzzer)

Operation Procedure: Contest Time and Osaekomi Time Operation (When Osaekomi Starts Simultaneously with Expiration of Contest Time)

	Cimataneodoly with Expiration of Contool Timo,								
	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor			
	Contest time has expired.				Contest time stops automatically with a				
1	When <i>Osaekomi</i> starts simultaneously with expiration of contest time ("Start/Stop" button is pressed 2 seconds after end of contest):			Stort	buzzer sound. Total contest time and <i>Osaekomi</i> time are shown inclusive of the time that has elapsed before button is pressed.				

*1. If *Osaekomi* starts simultaneously with the expiration of the contest time, and *Osaekomi* time cannot be started before the end of the contest, the JUDO TIMER stops automatically with a buzzer sound. By pressing button in the *Osaekomi* time section within 5 seconds after the end of the contest, however, the total contest time and the Osaekomi time are shown inclusive of the time that has elapsed before the button is pressed. Note, however, that the button is disabled if any other button is pressed in advance.

• Operation Procedure: Point Operation

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Right-hand contestant scored Yuko.) Yuko Y		Settable range <i>Yuko</i> : 0 ~ 9	Colors of contestants are not included in illustrations here and below though the are actually shown.
2	Right-hand contestant scored <i>Waza-ari</i> .) Waza-ari W		Settable range <i>Waza-ari</i> : 0 ~ 2 <i>Ippon</i> : 0 ~ 1	STING UP DOWN
3	Shido 1 was given to right-hand contestant.		Shido 1 S1 S			
4	Shido 2 was given to right-hand contestant.		Shido 2 S2 c		Yuko point is automatically awarded to left-hand contestant.	: : : : : : : : : : : : : : : : :
5	Shido 3 was given to right-hand contestant.		Shido 3 S3 K		<i>Waza-ari</i> point is automatically awarded to left-hand contestant.	:::::::::::::::::::::::::::::::::
6	Right-hand contestant scored Yuko.) Yuko Y			0:00 8 8 0 88 8 2 Setting up down
7	<i>Yuko</i> of right-hand contestant was cancelled (to correct display)		While pressing			[] [] ⁽³⁾ [] 8 8 8 8 1 1 setting up down
8	Right-hand contestant received an injury.		+		With each press, injury mark is shown on display board in the order below: Not shown → "+" → "++" → Not shown	Image: Constraint of the second sec
9	Right-hand contestant received Shido 4 or Hansoku.		Hansoku S4 H		<i>Ippon</i> point is automatically awarded to left-hand contestant.	
10	Left-hand contestant is declared the winner.		Count UP/ DOWN		Another press cancels winner indication.	Color of winner (if specified) and point section flash.
11	To show display for a new contest		Game Reset		Display is reset to the settings you have made initially.	5:00 81880 00 880 1 Setting up down

4-2 JUDO 2 (for Kodokan rules)

* Judo 2 (for Kodokan rules) differs from Judo 1 (for IJF rules) in the default settings of *Osaekomi* time.

	Osaekomi time	Point
Osaekomi time 1 (I) (P3)	30 seconds	Ippon
Osaekomi time 2 (W) (P4)	25 seconds	Waza-ari
Osaekomi time 3 (Y) (P5)	20 secods	Yuko

* Attach the supplied magnet plates (2 pieces) on the front panel with the "K, C, S" side out.

* The indications other than the default settings of *Osaekomi* time and colors of contestants, and the adjustment and operation procedures are the same as those mentioned in "4-1 Judo 1 (for IJF rules)".



4-3 Programmable Timer

- * This function is convenient for various types of training including interval training.
- (1) Items shown on display panel:

Timer that counts from 0 up to 99 minutes 59 seconds is displayed.

The number of times the programs are repeated is displayed.

Program No. is displayed.

The last program can be canceled, and in that case, "-P" is displayed instead of "P", which is displayed

during ordinary program cycles.

(2) Items that can be adjusted:

Up to 20 programs can be contained in 1 program cycle.

The number of times the programs are repeated can be set as desired (up to 199 times).

- If the number of times repeated is set to "0", the programs are repeated endlessly.
- * For the default settings, refer to 4-8 of this manual.
- Method of Confirmation/Adjustment: (Ex.: Program 1: 5 minutes and 30 seconds→Program 2: 3minutes and 20 seconds, number of times repeated: 15 times)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To activate setting mode	time section	Mode	ume section		
2	To set time of Program 1 To register time of Program 1, and move to Program 3 setting	Hinin Fyrdan Colden Rest / Set			Ex.: 5 minutes and 30 seconds	
3	To set time of Program 2 To register time of Program 2, and move to Program 3hythm setting	Hin. Future Sec. Future Sec.			Ex.: 3 minutes and 20 seconds	
4	*1. To set Program 3 and r *2. Once "0:00" is set for th be cancelled.					ocedure of the rest of the Programs will
5	To set number of times repeatd			Sec. Report	Ex.: 15 times	4: 10 3: 15: 1P SETIME 00WN 1sec.
6	To register settings, and change over to timer mode		Mode Select			5:30 83 80 80 80 81 1 Setting up down isec.

*1. With each press of set to count upward (UP) and downward (DOWN) alternately. Note that the number of times repeated is counted only upward.



• Operation Procedure: Start of Timer (Ex.: Program 1: 5 minutes and 30 seconds→Program 2: 3minutes and 20 seconds, number of times repeated: 15 times)

	nu zo seconus, number		Point			-
	Operation	Contest time section	section	Osaekomi time section	Action/ Remarks	Display monitor
1	To start Program 1	Start Stop			Counting is started with a buzzer sound	5:30 83 88 1 89 88 1 1 SETTING 189 DOWN 158C. (Buzzer)
2	End of Program 1/ Start of Program 2				At the same time as Program 1 ends, Program 2 starts counting with a buzzer sound.	3:01 B3 B8 I BP B8 I I SETTING UP DOWN Isec. GUID DOWN ISEC. (Buzzer)
3	To stop Program To adjust Program time	Stort Stop Min. Papen Luga				
4	End of Program 2/ Start of Program 1 for 2nd time				At the same time as Program 2 ends, Program 1 starts counting for 2nd time with a buzzer sound.	3:8189821 SETTING @ DOWN 1sec. SETTING @ DOWN 1sec. (Buzzer)
5	When all Programs are completed as designated, display returns to Program 1 before start.		Game Reset		Timer is automatically stopped with a buzzer sound, and display returns to settings you made initially.	(Buzzer)

• Operation Procedure: To End Program Cycles without Counting the Last Program (To skip Program 2 in the 15th cycle when 15 is set for the number of times repeated)

	the roth by the when role bet for the number of times repeated?								
	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor			
1	To cancel last Program			Clear Auto Point		5:30 3 15 - P 8 1 1 SFTING DOWN 1986.			
2	When cancellation of last Program is engaged				After Program 2 is counted for 15 times, timer stops automatically with a buzzer sound.	B3 B 15 - P B 1 1 Setting up down 1sec. (Buzzer)			

4-4 Pace Setter

- * By setting rhythm and tempo, pace setter sound can be given out. This function is convenient for various types of training.
- (1) Items shown on display panel:

Rhythm and tempo you have set are displayed. The number of times the tempo sound/indication is

repeated is displayed.

marks on both sides of the display panel visually indicate the tempo.

(2) Items that can be adjusted:

Rhythm and tempo can be set as desired.

- The number of times the tempo sound/indication is repeated can be set up to 9,999 times.
- If such number of times is set to "0", the sound is given out endlessly.
- * For the default settings, refer to 4-8 of this manual.
- * The pace setter sound (buzzer sound) rings in one tone irrespective of the rhythm and tempo setting, and cannot be silenced.
- Method of Confirmation/Adjustment (Ex.: Rhythm: 2 [simple duplet time], tempo: 120 times/minute, number of times repeated: 240 times, display of number of times repeated: counted upward)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To activate setting mode		Mode Select			
2	To set rhythm and tempo (simple duplet time and 120 times/ minute) To set number of times repeated (240 times)	Hin. Khythm Tempo		Sec.		2:40 84 882 88 820 1 2009
3	To register settings, and change over to pace setter function		Mode Select			

*1. With each press of button while in the setting mode, the display of number of times the tempo sound/indication is repeated can be set to count upward (UP) and downward (DOWN) alternately.

- *2. Setting ranges of rhythm, tempo and number of times the tempo sound/indication is repeated are 1 ~ 9, 30 ~ 255, and 1 ~ 9999, respectively.
- *3. If more than 200/minute is set for the tempo, the lower half of the segments of the hundreds digit of the tempo display is lighted on the display panel.
- Operation Procedure: (Ex.: Rhythm: 2 [simple duplet time], tempo: 120 times/minute, number of times repeated: 240 times, display of number of times repeated: counted upward)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
	T. I. I.D. 0.11				Buzzer sounds according to set rhythm and tempo.	
	To start Pace Setter	Stort Stop			 marks on both sides of display panel light up alternately. 	(Buzzer) (Buzzer))
2	To change rhythm and tempo	Rhythm Tempo				
3	To stop pace setter sound/ To change number of times repeated	Start		Sec.	Number of times repeated can be changed while pace setter is stopped.	
4	Tempo sound/indication has been repeated set number of times.				Pace Setter stops automatically with a buzzer sound.	2:40 ► 84.812 88 120 1 setting up down
5	To use Pace Setter newly		Game Reset		Display is reset to settings you made initially.	 ■ 1:00 ■ 4:8288.120 ■ 4:8288.120 ■ 5500000



4-5 Stopwatch

(1) Items shown on display panel:

Up 199 hours, 59 minutes, and 59 seconds 99 can be measured and displayed.

The times of the first and second runners, and the first and second lap times are measured and displayed.

Lap time (LP)/split time (SP) marks are displayed. (2) Items that can be adjusted:

Display can be changed over between lap time (LP) and split time (SP) displays.

* For the default settings, refer to 4-8 of this manual.

Minute and second digits of time

Method of Confirmation/Adjustment: Changeover between Lap and Split time displays

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select Stopwatch.					LP" is shown on display #LP" is shown on display monitor only.
2	Display can be changed over between lap and split time displays.			split		SP" is shown on display #5 880 SP800 (SETTING UP DOWN SETTING UP DOWN

*1. Changeover of displays between lap and split times can be made even while the stopwatch measurement is in progress. By pressing button, "LP" and "SP" appears and disappears alternately, and the corresponding measurement is displayed.

• Operation Procedure: To Measure Elapsed Time (Standard Measurement)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select Stopwatch.				Either lap or split time display can be used.	CONTRACTOR
2	To start Stopwatch			Stort	Measurement is started.	CIII CIENCE CONTRACTOR
3	To stop Stopwawtch (Ex.: 18 seconds 08)			Start Stop	Measurement is stopped.	B: 18 SEC LPBB : SETTING UP DOWN
4	To reset Stopwatch			Clear Auto Point	Stopwatch is reset to "0".	BI:00 BS BED LPBDD (SETTING UP DOWN

*1. After measuring 199 hours, 59 minutes, and 59 seconds 99, the Stopwatch continues measurement from "0".

• Operation Procedure: To Measure Split Time (SP)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select split time display.			Split		BC:DD BC:DD SFRDD I SETTING UP DOWN
2	To start Stopwatch			Stort	Measurement is started.	BD:D I BS BCD SPB 1B I SETTING UP DOWN
3	To measure split time (Ex.: 26 minutes and 13 seconds 08)			Reset & Start Timing	Measured split time (not in progress) is displayed, and "SP" flashes. *Measurement is continued internally.	25: 13 55 88 5 208 SETTING UP COMM SETTING UP COMM
(4)	Display can be changed over to lap time as required.				Lap time is displayed, and "LP" flashes.	CE: 13 CEP flashes on both display monitor and display panel.
(5)	To return to split time display			Split	Split time is displayed, and "SP" flashes.	SP" flashes on both display monitor and display panel.
6	To release split time (Ex.: 28 minutes and 32 seconds 56)			Reset Start Timing	Total time measurement in progress is displayed.	28:32 28:32 S5 8:0 \$P855 □ serme up comm □ "SP" is shown on display monitor only
7	To stop Stopwatch (Ex.: 2 hours, 20 minutes and 23 seconds72)			Stort Stop	Stopwatch is stopped.	SP is shown on display monitor only.
8	To reset Stopwatch			Clear Auto Point	Stopwatch is reset to "0".	BD:DD BS BED SPBDD : SETTING UP DOWN

• Operation Procedure: To Measure Times of First and Second Runners

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select split time display.			Split		BD:DD BS BBD SPBDD (SETTING UP DOWN
2	To start Stopwatch			Stort	Measurement is started.	BC:D I SETTING UP DOWN SETTING UP DOWN
3	To measure time of 1st runner (Ex.: 26 minutes and 13 seconds 08)			Reset Start Timing	Time of 1st runner (not in progress) is displayed, and flashing "SP" is shown. *Measurement is continued internally.	"SP" flashes on both display monitor and display panel.
4	To measure time of 2nd runner			Stort Stop	Time of 1st runner (not in progress) is displayed, and "SP" (not flashing) is shown. *Measurement is continued internally.	"SP" flashes on both display monitor and display panel.
5	To display time of 2nd runner (Ex.: 28 minutes and 32 seconds 56)			Reset & Start Timing	Time of 2nd runner is displayed instead of that of 1st.	28:32 SBB SP856 SETTING UP DOWN *SP" flashes on both display monitor and display panel.
6	To reset Stopwatch			Clear Auto Point	Stopwatch is reset to "0".	SP" is shown on display monitor only.

• Operation Procedure: To Measure Lap Time

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select lap time display.					BC:DD BS BC LPBCD I SETTING UP DOWN (LPC) IS shown on display monitor only.
2	To start Stopwatch			Stort Stop	Measurement is started.	SETTING UP DOWN
3	To measure 1st lap time (Ex.: 26 minutes and 13 seconds 08)			Resat & Start Timing	1st lap time (not in progress) is displayed, and flashing "LP" is shown. *Measurement is continued internally.	"LP" flashes on both display monitor and display panel.
4	To release lap time (Ex.: 28 minutes and 32 seconds 56)			Reset & Start Timing	Total time measurement in progress is displayed.	28:32 S 8:0 LP855 : S 8:0 LP857 : Setting up powe Constant up to the setting up
5	To measure 2nd lap time (Ex.: 23 minutes and 9 seconds 27)			Reset & Start Taming	2nd lap time (not in progress) is displayed, and flashing "LP" is shown. *Measurement is continued internally.	CP" flashes on both display monitor and display panel.
(6)	Display can be changed over to split time as required.			Split	Split time is displayed. Flashing "SP" is shown.	49:2 (SETTING UP COMM SETTING UP COMM
(7)	To return to lap time display				2nd lap time is displayed, and flashing "LP" is shown.	CB:09 SB:000000000000000000000000000000000000
8	To release lap time (Ex.: 1 hour, 2 minutes and15 seconds 56)			Reset & Start Timing	Total time measurement in progress is displayed.	B2: 15 B3: 12P855 1 SetTiki UP DOWN "LP" is shown on display monitor only. B2: 15 SetTiki UP DOWN
9	To stop Stopwatch (Ex.: 2 hours, 20 minutes and 21 seconds 72)			Start Stop	Stopwatch is stopped.	20:21 ES BB2 LPB 72 1 SETTING UP DOWN
10	To reset Stopwatch			Clear Auto Point	Stopwatch is reset to "0".	BD:DD B5 BBD LPBDD (SETTING UP DOWN B5 BBD LPBDD (SETTING UP DOWN

• Operation Procedure: When Lap Time is Not Released in Step 8 above But Measurement is Stopped

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To measure 3rd lap time and stop Stopwatch			Stort Stop	3rd lap time is displayed, and Stopwatch is stopped.	C3:09 C→ C3:09 C5 880 LP821 (SETTING UP DOWN C1 CP DO
2	To show total time (Ex.: 2 hours, 20 minutes and 21 seconds 72)			Reset & Start	Total time is displayed.	20:21 ES BB2 LPB 72 1 SETTING UP DOWN (LP" is shown on both display monitor and display panel.
3	To reset Stopwatch			Clear Auto Paint	Stopwatch is reset to "0".	BC:CD C5 BBC LPBCD (SETTING UP DOWN SETTING UP DOWN

*1. The figure below illustrates the concept of split and lap times:



Split time: Time that has elapsed form the start of an activity to any given stage.

Lap time: Time that has elapsed from the start of one stage of an activity to that of the next stage.

4-6 Timer (with Warning Buzzer)

(1) Items shown on display panel:

Timer counts down the set time, or counts up from "0" to the set time.

Timer can be set to count down or up in 1/10 second increments.

The warning buzzer can be programmed to ring at the designated time, and the program No. is shown on the display while it is engaged.

(2) Items that can be adjusted:

Any desired amount of time up to 99 minutes and 59 seconds can be set for the Timer.

The warning buzzer can be programmed to ring at up to 9 different designated times.

* For the default settings, refer to 4-14 of this manual.

Method of Confirmation/Adjustment of Settings (Ex.: Timer time: 10 minutes and 30 seconds, Program 1 for warning buzzer: 1 minute and 30 seconds)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To activate setting mode		Mode Select			□:00 □5.888.88888 : SETTING UP DOWN 1sec. □5.888.88888 : SETTING UP DOWN 1sec.
2	To register timer time, and move to Program 1 setting	Min. Sec. Bydra bydra bydra			Ex.: 10 minutes and 30 seconds	IC:30 5 0.00 5 0.00
3	To register Program 1 for warning buzzer, and move to Program 2 setting	H Min. Bigdem Bi			Ex.: 1 minute and 30 seconds	1:30 5 988 8886 1 1 SETTING DOWN Isec. COMM Isec.
4	 4 *1. To set Program 3 and more programs, follow the above steps. *2. Once "0:00" is set for the time of a Program during the setting mode, setting procedure of the rest of the Programs will be cancelled. 					
5	To register settings, and change over to Timer display		Mode Select			10:30 15 888 8888 1 SETTING UP DOWN Isec.

*1. With each press of button while in the setting mode, the Timer can be set to count upward (UP) and downward (DOWN) alternately.

- *2. By pressing we button, the Timer counts in 1/10 second increments instead of 1 second increments (default setting). This button operation can be made even while the Timer is counting.
- Operation Procedure: Start of Timer (Ex.: Timer time: 10 minutes and 30 seconds, Program 1 for warning buzzer: 1 minute and 30 seconds, counting in 1/10 second increments)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To start Timer	Start			Timer starts counting.	(0:30 10:29 10:50 10:29 10:50 10:29 10:50 10:29 10:50 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:29 10:20 10:29 10:20 1
2	When designated time of Program 1 is reached				Warning buzzer rings automatically.	1:30 85 888 8880 1 SETTING UP DOWN L/Desc. (Warning buzzer)
3	When set time is up/ To reset Timer		Game Reset		Timer stops automatically with a buzzer sound. Display is reset to settings you made initially.	□:□□ IC:30 □:□ □:□ □:□ □:□ :E5 00000 1/10000000 000000000000000000000000000000000000

Examples of Displays When Timer is Counting Up and Down (Ex.: Timer time: 5minutes and 30 seconds, counting in 1/10 second increments)

	Before start	During counting	Time-up
Counting up			5:30 568888880 : 567736 UP DOWN L/LORG.
Counting down	5:30 86 888 8880 1 SETTING UP DOWN 1/10sec.	S:23 S:888 8889 : SETTING UP DOWN L/LOBEC. SETTING UP DOWN L/LOBEC. SETTING UP DOWN L/LOBEC.	



1/10 second digits of time/ program No. for warning buzzer

4-7 Clock & Alarm

- * The Clock indicates the current time in 24-hour indication system.
- (1) Items shown on display pane:
 - Hour, minutes and seconds are displayed.
- (2) Items that can be adjusted.

Alarm can be set to ring at a designated time. Alarm can be programmed to ring at up to 5 different times.

* For the default settings, refer to 4-8 of this manual.



Second digits of time

Method of Confirmation/Adjustment of Settings: Time Setting (Ex.: 10 minutes past 10 o'clock)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select Clock & Alarm					00:00 83 888 88800 1 Setting up down
2	To set hour and minute digits	Min. Bydra Ioopa			"Min." : for Hour setting "Sec.": for Minute setting	IC: IC B1888 B88CC I SETTING UP DOWN
3	To start Clock	Stort			Clock starts indicating time.	10:10 87888 8880 1 1 Setting up down

Method of Confirmation/Adjustment of Settings: Alarm Time Setting (Ex.: 55 minutes past 11 o'clock)

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	Select Clock & Alarm		Mode Select			
2	To register alarm time of Program 1, and move to Program 2 setting	Min. Sec. System The sec. Sec. The sec. The sec. Sec. The sec. The			"Min." : for Hour setting "Sec.": for Minute setting	
3	*1. To set Program 2 and mo	re programs,	follow the a	bove steps.		
4	To register settings, and change over to Clock display		Mode Select			ID: IT B1888 88840 I Setting up down

*1. Once the Clock has been set and started, it continues operating even while the alarm setting procedure is performed.

Method of Confirmation/Adjustment of Settings: To Cancel Alarm Program

	Operation	Contest time section	Point section	Osaekomi time section	Action/ Remarks	Display monitor
1	To cancel Alarm Program		Mode Select			11:55 81 888 688 1 1 Serrice own
2					By blanking out hour and/or minute digits, Program is cancelled.	Or 11:88 0r 11:

*1. Even if one Program is cancelled, other Programs will not be cancelled, and they are still engaged as you have set. (Cancellation of Program "b1" will not cancel Program "b2".)

*2. The Alarm Programs (up to 5 Programs) you have set can be checked by pressing 📰 + 📟 button.

*3. The Clock continues operating internally while other events/functions are used and the respective displays are shown.

- *4. The Alarm Programs you have set are retained even if other events/functions are used. However, the Alarm will not sound at the designated time while events/functions other than Clock & Alarm are in use.
- *5. The time set for the Clock and the Alarm Programs will be cleared if the power is turned off.

4-8 Factory Default Settings (Initial Settings) of Each Event/Function

- *1. To reset the current settings of the event/function in use to the default settings, keep button pressed for 2 seconds. The current settings of the event/function in use will all be cleared and reset to the default settings programmed at the factory.
- *2. By turning on the power while button is kept pressed, all the settings of all the events/functions will be reset to the factory default settings. LEDs on the front display panel and the display monitor flash for 3 seconds to indicate that resetting has been completed.
- *3. The default settings listed below can be adjusted as desired.

NO.	Event/ Function	Default Setting]
		Contest time (P1)	5 minutes
		"Golden Score" contest time (P2)	3 minutes
		Osaekomi time 1 (I) (P3)	25 seconds
		Osaekomi time 2 (W) (P4)	20 seconds
		Osaekomi time 3 (Y) (P5)	15 seconds
1	Judo 1 (for IJF rules)	Interlocking/ non-interlocking between	Non-interlocking
		Osaekomi time and point	Ŭ
		LED color of Osaekomi time	Red
		Count-down or –up (contest time and "Golden	Count-down
		Score" contest time)	
		Contest time (P1)	5 minutes
		"Golden Score" contest time (P2)	3 minutes
		Osaekomi time 1 (I) (P3)	30 seconds
		Osaekomi time 2 (W) (P4) Osaekomi time 3 (Y) (P5)	25 seconds 20 seconds
2	Judo 2 (for Kodokan rules)	Interlocking/ non-interlocking between	20 seconds
2	Judo 2 (IOI Kodokali Tules)	Osaekomi time and point	Non-interlocking
		LED color of <i>Osaekomi</i> time	Red
		Count-down or –up (contest time and "Golden	Reu
		Score" contest time)	Count-down
		Program (P1 ~ P20)	Not set
		Timer	Not set
3	Programmable Timer	Count-down or –up (timer)	Count-down
-		Number of times repeated (1 ~ 199)	Not set
		Rhythm (1 ~ 9)	2 (duple time)
		Tempo (30 ~ 255 beats/min.)	120 beats/min.
4	Pace Setter	Number of times repeated (1 ~ 9999)	Not set
		Count-down or -up	Count-up
			······································
E	Stanwatah	LP or SP	LP
5	Stopwatch		
		Timer	Not set
		1/10- or 1 sec. increments	1 sec.
6	Timer	Count-down or -up (timer)	Count-down
		Time to ring warning buzzer (b1 ~b9)	Not set
		Current time	Not set
7	Clock & Alarm	Alarm time (b1 ~ b5)	Not set
'			1101 301

5. CONNECTION WITH OTHER DEVICES INCLUDING ANOTHER JT-601



Before connecting the dedicated cables, <u>be sure to turn off the power of all the</u> <u>devices</u>. When turning them on, <u>be sure to turn on the master device first</u>, and If they are connected in a serial manner, <u>turn on other devices one by one in order</u> <u>from the one nearest to the master device</u>. Otherwise, the devices may show abnormal displays or operate improperly. Also, do not use any other cable than specified. A malfunction may result. When more than one device is connected to the master device, <u>never connect or</u> <u>disconnect the dedicated cables while the power is on</u>. Otherwise, the devices may show abnormal displays or operate improperly. If such operation was

may show abnormal displays or operate improperly. If such operation was performed by mistake, turn off the power of all the devices, and then, turn them on after at least 5 seconds. In doing so, if they are connected in a serial manner, turn on the master device first, and then, turn on other devices one by one in order from the one nearest to the master device.

* When connecting with other devices including another JT-601, select the connection condition using Equipment Connection button

Examples of Equipment Connection

5-1 Use of Judo Timer JT-601 as Master Device

To use JT-601 as a master device:

- · Press Equipment Connection button to select "1. Master".
- High-Volume Buzzer BZ-050 (sold separately) and Sports Timer ST-306 (sold separately) can be connected with JT-601.



Note: For the locations of connectors for connecting above devices, refer to the illustration of "<Rear Side>" in "2. NAMES AND FUNCITONS OF PARTS".

5-2 Receiver/ Judo Timer, Sports Counter

To use JT-601 as a master device and connect another JT-601 as a receiver:

- Setting of JT-601 used as a master device: Press Equipment Connection button to select "1. Master".
- Setting of JT-601 used as a receiver: Press Equipment Connection button to select "2. Receiver: Judo Timer, Sports Counter".(Up to 4 units of JT-601 can be connected as receivers.)



Note: The buttons except button are disabled on the receiver side. By pressing button (), Points on both ends of the display panel change places.

5-3 Receiver/ Sports Printer

To use CT-1000 as a master device and connect JT-601 as a receiver:

• Setting of JT-601 used as a receiver: Press Equipment Connection button to select "3. Receiver/ Sports Printer".



5-4 Receiver/ Game Operation Board

To use ST-2000 Series (Operation Board ST2030) as a master device and connect JT-601 as a receiver:

• Setting of JT-601 used as a receiver: Press Equipment Connection button to select "4. Receiver/ Game Operation Board".



6. PRODUCT COMPOSITION AND SPECIFICATIONS

1. Product Composition Main unit: 1 unit (JT-601MBX) Adaptor with pow (KT-ADP01) Magnet plate : 2 Operating manua							
2. Specifications							
 Dimensions 	: Main unit	Approx. 650 (W) x 400 (H) x 220 (D) mm					
 Character height 	: Contest time section	130 mm					
-	Point section	120 mm					
	Osaekomi time section	110 mm					
 Display 	: High-intensity LED						
Operational							
temperature range	: 0 °C ~ 40 °C (except under direct sunlight)						
• Weight	: Approx. 4.3 kg (main unit), 0.7 kg (adaptor with power cable)						
Power supply	•••	: AC 100V ~ 240 V, 50/60 Hz (maximum power consumption: 30 W)					
Case material	: ABS resin						

* By using interlocking cable KT-041 (80 m; sold separately), JT-601 can be interlocked with up to 4 other JT-601 units.

* Judo Timer JT-601 is designed for indoor use only.

Note: The above specifications are subject to change without prior notice for product improvement.

SEIKO TIME SYSTEMS INC.

URL http://www.seiko-sts.co.jp

GUARANTEE

Thank you very much for purchasing SEIKO JUDO TIMER JT-601.

We certify that the Product is guaranteed against defects in material and workmanship according to the guarantee conditions specified herein.

If the Product malfunctions under normal use as described in this Operating Manual within one year from the date of purchase, it will be repaired without charge.

To qualify for the services under the guarantee, you must present your SEIKO JUDO TIMER JT-601 to the retailer from whom it was purchased, or a service facility designated by us. Packaging and transportation charges are to be paid by the owner of the Product.

Even within the guarantee period, repair services will be provided at cost in the following cases:

- (1) Failure or damage caused by misuse or carelessness;
- (2) Failure or damage caused by improper repair or modification;
- (3) Failure or damage caused by improper handling such as dropping of the Product during transportation after purchase;
- (4) Failure or damage caused by natural disasters such as fire, flood, earthquake and lightning, and other factors beyond the control of us such as smoke and other air pollution and extraordinary atmospheric pressure;
- (5) Scratches, cracks or other damage on the case caused by use over time;
- (6) If the name of the retailer and the purchase date are not indicated in the space below, or if such information has been rewritten; and
- (7) If this Guarantee is not submitted together with the Product.

Date of purchase:		
Retailer:		

Please note that this Guarantee is valid only if the name of the retailer and the date of purchase are properly entered by the retailer from whom your SEIKO JUDO TIMER JT-601 was purchased.