Youshiko YC9361 Weather Station User Manual

Please read the operating instructions carefully to familiarize yourself with the features and modes of operation before using the instrument.Keep the manual for future reference and pass it on with the device, if you pass on the device to other users.

General safety

This unit can be used by children of 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised or have been instructed concerning the safe use of the device and understand the resulting risks. Do not let children play with the device. Cleaning and user maintenance must not be carried out by children without supervision.

Battery instructions

- Never recharge batteries! Risk of explosion!
- Keep batteries away from children, do not throw into fire, short-circuit or disassemble them.
- Always insert batteries according to the polarity regulations.
- Clean the battery and device contacts before inserting, if necessary.
- Remove exhausted batteries immediately from the device! Increased risk of leakage!
- Remove the batteries from the device, if you intent on not using them for a while.
- Never subject batteries to extreme conditions such as on radiators, direct sunlight! Increased risk of leakage
- Avoid contact of the battery fluid with skin, eyes and mucous membranes. In case of contact, rinse the affected area instantly with clean water and consult a doctor immediately.
- Always replace all batteries at the same time.
- Only use batteries of the same type, do not use different types or new and used batteries together.

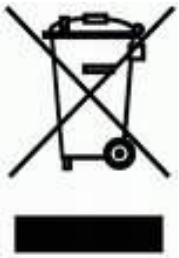
Disposal Packaging:

The product packaging is made of recyclable materials. Dispose of it in an environmentally friendly manner.

Products and batteries:

Products and batteries should not be disposed of with normal household waste.

According to Directive 2012/19/EU, the device is to be supplied at the end of its useful life to a proper disposal. The valuable materials contained in the device are supplied to recycling and avoid the burden of the environment. Enter the old device to a collection point for electronic waste or a recycling center.



Remove the batteries from the unit before disposing of it and dispose of them separately. Every

Consumer is legally obliged to dispose of used batteries at a collection point for used batteries,

at a local recycling center or in the battery point of sale. For further information, contact your

local waste disposal company or local government.

Technical Details

- Six keys: **MODE, +, - ,HISTORY,CHANNEL, SNOOZE/ LIGHT.**
- Radio controlled clock (MSF , UK Version)
- Automatic receiving of time signal MSF to display exactest time
- Automatically switches to/from daylight saving time(summer/winter time)
- Time display in 12/24 format

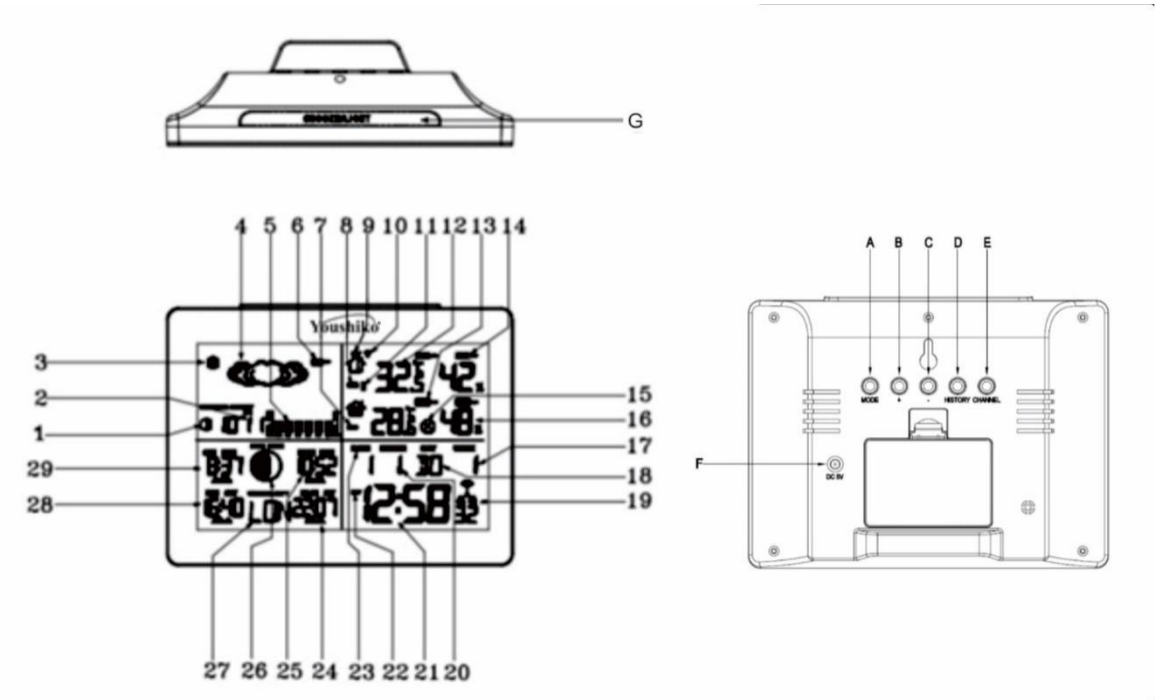
- Continuous perpetual calendar up to 2099
- Display of Date, Month and Day of week
- Day of week display in English
- Calendar week display
- 2 alarms with snooze function (1x for week days / Mon - Fri; 1 x for week end / Sat – Sun)
- 5 weather forecast: sunny, partly sunny, cloudy, rainy, stormy (Weather icons can be selected manually for the start setting).
- Barometer and bar and data of 12 hours history for air pressure
- Altitude-setting for calculation of relative air pressure
- Indoor /outdoor temperature and humidity with trend
- Max / Min of temperature and humidity
- Temperature display in °C or °F
- Temperature alert
- Moon phase
- Sun rise and sun set / moon rise and moon set for over 100 cities.
- Frost indicator (displayed below +3°C indoor temperature)
- Low battery indicator
- Black background white light display
- Power: ⎓ 3 V ,50 mA (3x AAA batteries / LR03/AAA/Micro, 1,5 V)

- Power adapter for base unit
- Thermometer measuring range inside: 0°C to 50 °C
- Thermometer measuring range outside: -20°C to ~60 °C
- Outdoor Humidity Range: 20%-95%
- Indoor Humidity Range: 20%-95%
- Temperature Tolerance: +/- 1 C in 0~40C
- Humidity Tolerance: +/- 5 % in 30~80%

Outdoor sensor:

- Frequency: 433 MHz
- Power: : ⎓ 3 V , 10 mA (2 x AAA Batteries / LR03/AAA/Micro, 1,5 V)
- Transmission range: up to 50m in open area

Structure: weather station



1. History of air pressure (selectable by pressing the "HISTORY", displayed between 0 to -12hours)
2. Air pressure
3. Frost indicator (displayed below +3°C indoor temperature)
4. Weather Forecast symbol
5. Bar graph for air pressure (Display updated continuously from right to left)
6. Air pressure trend
7. Low battery indicator indoor
8. Low battery indicator outdoor
9. Outdoor sensor channel
10. RF symbol
11. Temperature alert symbol
12. Outdoor temperature and outdoor temperature trend
13. Indoor temperature and indoor temperature trend
14. Outdoor humidity and outdoor humidity trend
15. Comfort indicator
16. indoor humidity and indoor humidity trend
17. Calendar week
18. Day of week
19. Alarm symbol
20. Month

21. Time
22. Day light savings time indicator (DST)
23. Date
24. Moonset time
25. Moonrise time
26. Moon phase
27. City abbreviation
28. Sunset time
29. Sunrise time

A "MODE" button

- Press the button for 3 seconds to enter he manual setting, to advance and to select the following settings:date (year, month, day), 12/24hdisplay, time setting (hour, minute) city setting
- Change to the alarm setting for Alarm 1 (A1) or Alarm 2(A2)
- Press the button for about 2 seconds to enter the alarm setting while alarm 1 (A1) or alarm(A2) is displayed
- To stop the alarm

B "+" button:

- Increase, change the values in manual setting mode, the height setting mode, weather icon selection

- Switch between display the current, minimum, maximum indoor, outdoor temperature and indoor, outdoor humidity
- Press the button for about 3 seconds to reset the MIN / MAX values
- To stop the alarm

C "-" button:

- reduction, of values in the manual setting mode, the height setting mode, weather icon selection
- Switching between temperature display in °Cor °F
- Press the button for 3seconds to enter the temperature alert setting mode
- To stop the alarm

D"HISTORY" button:

- Press the button for 3seconds to enter the altitude setting mode, to advance and to select the following settings:height adjustment, weather forecast icon, choose between air pressure unit hPa or inHg
- To stop the alarm

E "CHANNEL" button

- Press the button for about 3 seconds to search for an external transmitter on channel1,2or 3

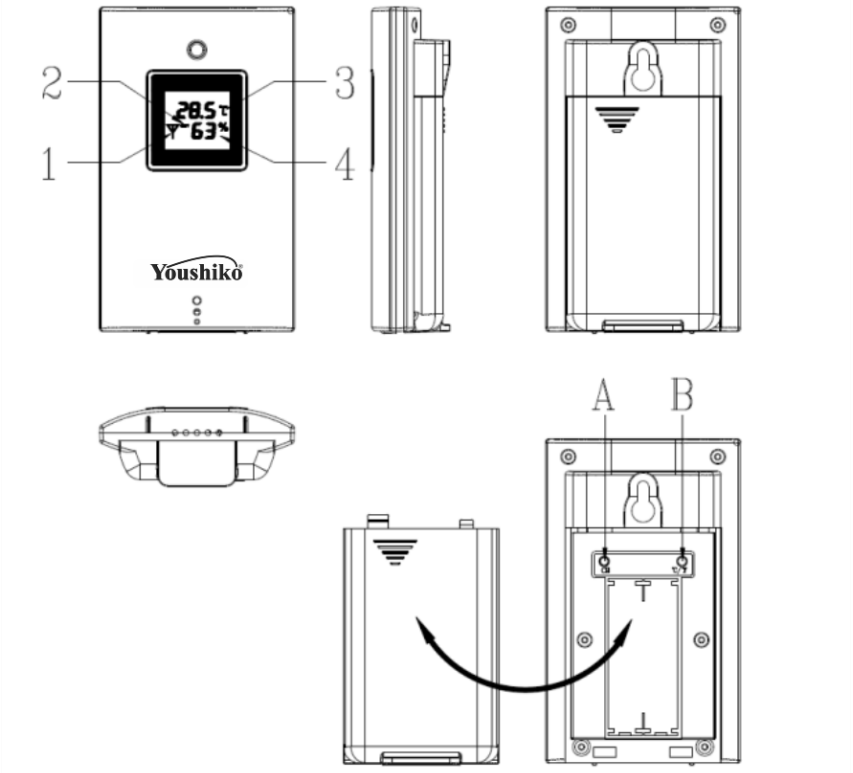
- change of external temperature channels and continuous switching display of the outside temperature channels
- To stop the alarm

F ： Power adaptor socket

G ： "SNOOZE / LIGHT"button

- Press o activate the snooze function while wake up alarm rings
- Activation of the backlight

Structure: outdoor sensor:



1. RF radiation

2. selected channel

3. temperature

4. humidity

A. channel choose switch

B. temperature unit selection

Mounting options:

The weather station is intended to be located on flat surfaces, such as on tables or in cabinets. Through the loop on the rear of the transmitter, the transmitter is suitable for mounting on walls.

Please mount the sensor outside in a sheltered place to avoid direct heavy rain and direct sunshine for best results & readings.

Operating conditions:

Set the weather station on in a dry interior and away from sources of interference, such as televisions or metal plates. The transmitter should be mounted protected from rain and direct sunlight.

Before putting in the batteries and connecting with power supply :

First of all, find your location altitude, this will be needed as you set up this weather station's barometer correctly, the easiest way to get this is to put your postcode into the following site: **https://www.daftlogic.com/sandbox-google-maps-find-altitude.htm**

and / or search on Google for "Daft-logic altitude" or any other site on where you feel fit to find the correct altitude for location, Make a note of your altitude in to round up or down to the nearest 10 meters. Now using the table in the back of this instruction book , find your nearest city and make a note of the 3 digit code to enter later. And after this follow the next Initial operation setup.

Initial Operation Set Up:

- Open the battery compartment located on the rear side of the outdoor sensor and weather station. Place the batteries in the battery compartment of sensor first, then in weather station, please pay attention to the polarity; also connect the weather station main display unit with power supply.

- As soon as weather station main display unit have power, The altitude flashes (for 20 seconds) with in these 20 seconds , please use "+**", "**-" buttons to set the altitude of your position (in meters).

- Using “+**“, “**-“ button and go to 0 (Zero) first and then by pressing “+**“, “**-“ button , **choose. Your location altitude, then press “HISTORY”**, button.

- After pressing history button , weather symbol flashes, press the "+", "-" button to select the weather symbol that fits the current weather , then press “**HISTORY**”, button , after that hPa flashes, then please use “+“**,** “-“ button to select between the air pressure units hPa and inHG and then press “**HISTORY**”.

- Now leave the weather station and don’t do any thing.

  (Please note: If cannot enter altitude within 20 seconds, No worries, then remove batteries and disconnect from the mains, and then start again fresh) .

- Weather station now will start connecting to the outdoor sensor. This process takes about 3 minutes. Then the display shows the outdoor temperature and humidity, in case of failure of reception please press and hold **“CHANNEL“ button** for more than 3 seconds to restart the search process again.

- Then the automatic reception of the MSF radio signal starts after 3 minutes of outdoor reception.

- While the RCC reception process is going on, the flashing symbol “radio tower “appears in the time display area, (Weather station may require for 5 to 20 minutes for it to pick up the radio control signal**, it may fail, if it is near a computer or TV or Wi-Fi hub**

or moblie phones or similar electrical equipment etc , due to interference, so keep it away from those sorts of things. Also please note in some areas, it can take longer , from few minutes to few hours or max by 1am to 5 am

- Once radio signal reception was successful, the display shows a static “radio tower“ symbol with correct time and date. After this only thing you would need to change is correct display of your nearest city and for this Hold Mode button for 3 seconds, then you will see year flashing, after this keep pressing the Mode button until the **country / city** is flashing, now cycle through this with the plus or minus key until you find your required, the city code , This will or can take a good few clicks. Once you see your required city code then press mode button one more time, after this , its all set. This will setup the sunset and sunrise times, these are approximate based on the nearest city, the moon rise/set times will also be set. The rise/set times may take several minutes before they update, and it isn't unusual to see the moon rise or set time as ----- ---- ----- ---- , this just means it will show with next few minutes to next 24H.

If, due to bad reception, or no RCC automatic time reception is possible, follow the steps below for manual time setting, as described in the section "Manual Settings".

MSF Reception of radio controlled Information:

Automatic time change for Spring & Autumn and automatic time checks, accurate to 1 second in 10 million years, have automatic set up for time and calendar (where applicable), The National Physical Laboratory (NPL) which is the UK's home of measurement and the nation's timekeeping. NPL is responsible for operating the national time system and making accurate time available across the UK. This clock keep accurate time by picking up the NPL's radio signal, called MSF, which is transmitted on 60KHz from Cumbria. This transmission carries a date and time code that the radio controlled products use to set themselves to the correct time and date. The signal is controlled by atomic clocks at the radio station and are adjusted to keep in step with the national time maintained at NPL laboratory in London.

Reception of radio controlled signal Information:

- MSF radio signal search starts automatically about 3 minutes after battery exchange. The “radio tower” signal is flashing.
- Press“+“ and“-“ together for more than 3 seconds to enter or quit the radio controlled signal reception
- The clock synchronizes with the MSF radio signal automatically and daily from AM 1:00 am to 3:00 am to correct time deviations each hour.If the synchronization is unsuccessful (“radio tower“ symbol disappears), a further synchronization attempt is made from 4:00am and 5:00 am until success. This process is

repeated up until 5:00AM. If still not successful, the daily reception stops.

- Flashing “radio tower” symbol is displayed, while MSF radio signal reception is running.
- A static “radio tower” symbol is displayed after the MSF radio signal reception was successful.
- Please keep a minimal distance of 2.5m to sources of interference such as televisions or computer screens.
- The radio signal reception is weaker in rooms with concrete walls (e.g. in the basement) and in office buildings. For extreme cases, please put the clock near a window.
- There are less atmospheric disturbances at night. A radio time signal reception is usually possible at that time. One synchronisation per day is sufficient to keep the time display accuracy at 1 second.

Tip:

You can adjust the time manually in case the clock cannot receive the MSF radio signal (due to interferences, large distance to the sender, obstructions like mountains, etc.) As soon as the radio signal can be received, the clock will be adjusted automatically. Radio signal sender coverage up to 1500km distance to from signal is transmitted from Anthorn Radio Station in Cumbria UK .

Manual time set-up (the most important is to quit the reception of radio controlled signal by holding together “+“and “-” for 3 seconds in case of the “radio tower” symbol flashing before set-up)

- Press and hold key “**MODE**“ for 3 seconds.
- The display for the year is flashing. Use “+“ and “-“ to select the year.
- Press “**MODE** “ to confirm.
- The display for the month is flashing. Use “+“ and “-“ to select the month.
- Press “**MODE** “ to confirm.
- The display for the date is flashing. Use “+“ and “-“ to select the date.
- Press “**MODE** “ to confirm.
- The 12/24 hour flashing. Use “+“ and “- “ to select
- Press “**MODE** “ to confirm
- The display for the hour is flashing. Use “+“ and “-“ to select the hour.
- Press “**MODE** “ to confirm.

- The display for the minutes is flashing. Use “+“ and “-“ to select the minutes.
- Press “**MODE** “ to confirm.
- The country /city flashing. Use “+“ and “-“ to select the city of Sunrise/Sunset and Moonrise /Moonset. You can find a list of all cities and their abbreviations at the end of this manual.
- Press “**MODE** “ to confirm.

Information:

- While the Sunrise / sunset or the moon rise /moon set times be sought (Displaying dashes --- --- -- ---- ----), the station does not respond to keystrokes.Please wait for about 1 minute.
- The clock automatically changes from set-up mode to time display mode if no keys are pressed for 20 seconds.

Daily alarm set-up

- Press**“MODE”** to switch from time display to A1 display
- Press and hold the key **“MODE”** for 3 seconds ,the flashing alarm time is shown
- The hour display of the alarm time is flashing. Use “+“ and “-“ to select the hour.
- Press **“MODE”** to confirm.

- The minute display of the alarm time is flashing. Use “+“ and “-“ to select the minute.
- Press **“MODE”** to confirm.
- Then press**“MODE”** to switch from A1 display to A2 display
- The setting sequence for A2 is the same as for A1.

Daily alarm on/off

- Press**“MODE”** to switch from time display to A1 display
- When showing A1 alarm time, press “-“ to activate the alarm 1 with alarm symbol showing.
- Press **“MODE”**again cancel the alarm
- When showing A2 alarm time, press “-“ to activate the alarm 2 with alarm symbol showing.
- Press **“MODE”** again to cancel the alarm
- A1 for alarm from Monday to Friday, A2 for alarm from Saturday to Sunday.

Information:

- The clock automatically changes from set-up mode to time mode if no keys are pressed for 20 seconds.
- The alarm sounds for 2 minutes if no key is pressed to stop it.

Snooze function

To activate the snooze function, follow the steps below

- Press the key “**SNOOZE/LIGHT**“, while the alarm sounds, to activate the snooze function.
- If the snooze function is activated, alarm symbol is flashing.
- The alarm repeat after 5 minutes.
- The snooze function can be stopped by pressing any other key.

12/24 hours mode

- The time can be displayed in 12（AM/PM）or 24 hours mode. The switch over is described in the section "Manual Settings".

°C/°F temperature display

- The temperature can be displayed in °C or °F. Press the key **“-“** to switch between °C and °F.

Max./ Min. for the indoor/outdoor temperature and humidity

- Press **“+”** for displaying of indoor/outdoor max./min. of temperature and humidity.

Temperature alert set-up

- Press “**Channel**” to select the channel (CH1, CH2, CH3) if more than one outdoor sensor issued

- Press and hold the key “**-**” then select between ON/OFF.
- Press “MODE” , the upper limit temperature is flashing, use “+” , “-“ to set the maximum alert temperature.
- Press “MODE “, the lower limit temperature is flashing, use “+” ,“-“ to set the minimum alert temperature.
- When the alert is activated, the alert symbol will be shown on the left of the outdoor temperature display

Temperature alert on/off

Press and hold the key “**-**“ to set the temperature alert on or off.

- Alert on: Temperature alert symbol shown in display
- Alert off: Temperature alert symbol is not displayed

Information

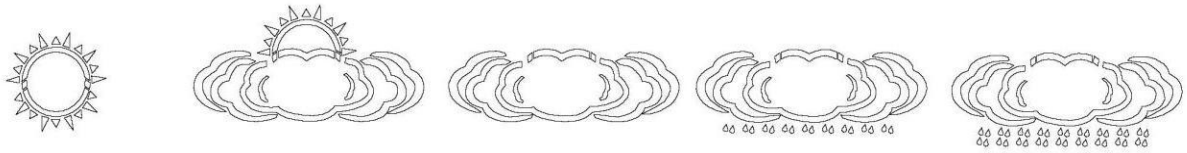
- A temperature alert can be set-up for each channel.
- The set-up process cannot be completed if the maximum temperature selected is lower than the minimum selected temperature.
- The minimum temperature selected must at least be 1°C below the maximum selected temperature.
- An alarm sounds and the temperature display flashes, when the temperature from the signal of the transmitter exceeds the set limits.

Sunrise /Sunset and Moonrise /Moonset

A nearby city of your location must be set to correctly display the time of your area.

- 150 cities are selectable for Sunrise /Sunset and Moonrise /Moonset times, a list of cities can be found in the end of the manual

5 Weather forecast symbols



Sunny Slightly cloudy Cloudy Rainy Storm

Remarks：The weather forecast is determined by temperature, humidity and air pressure. The forecast symbol may not match with the current weather sometime and symbol will be showing the forecast for next 12 + hour forecast.

Barometer and bar and data of history for the past 12 hour of air pressure

- Air pressure history can be displayed in hPa and inHg , for the past 12 hours, press the history button repeatedly to change between -1,-2,-3…
- The bar graph indicates the air pressure history trend over the last 12 hours in 6 intervals: 0h, -1h, -2h, -3h, -6h, and -12h. The “0h” represents the current full hour air pressure recording. The columns represent the “hPa” (0, ±2, ±4, ±6) or inHg (0, ±0,06, ±0,12, ±0,18) at specific time. The “0” in the middle of this scale is equal to the current

pressure and each change (±2, ±4, ±6 or ±0,06, ±0,12, ±0,18) represents how high or low in “hPa“ or “inHg” the past pressure was compared to the current pressure.

- For accurate barometric pressure trends, the weather station should operate at the same altitude for recordings (i.e. it should not be moved from the ground to the second floor of the house). When the unit is moved to a new location, discard readings for the next 12 hours and correct the height adjustment (see "Start-up") if needed.

Display illumination:

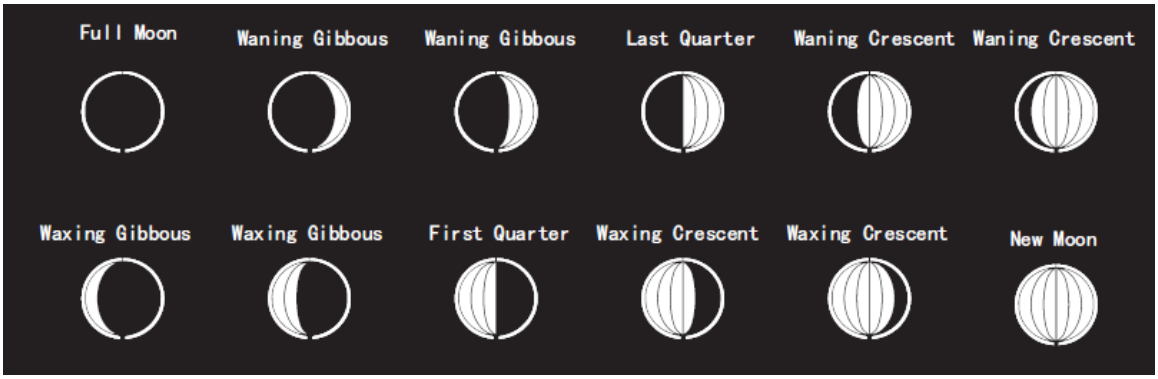
Comes with UK power supply for continuous high resolution Led display.

If you don’t want to use power supply then with batteries display will come on only for 8 seconds , when you press SNOOZE/LIGHT“ Button , after 8 seconds display will go dark .

When using with batteries only. Display illumination will work for only 8 seconds and each time you press SNOOZE/LIGHT“Button to see the display illumination.

We recommend to use with power supply at all the time to see continuous bright display illumination.

Moon phase display:



Living space humidity

The weather station uses saved data to determine the humidity in the living space and shows the respective symbols.

Comfortable, dry, humid

1. Dry: when the indoor temperature in any value, indoor humidity is less than 40%
2. Comfortable:when the indoor temperature in 20 to 28 ℃, indoor humidity 40-70%
3. humid: indoor temperature at any value, when indoor humidity is more than 70%
4. No display: when the indoor temperature is not in the 20 to 28 ℃, indoor humidity 40-70%, no comfort indicator

Low battery condition display

The weather station displays the low battery condition symbol to remind the batteries of the weather station or the outdoor sensor need to be exchanged.

- Weather station low battery condition display: within indoor area of the display

- Outdoor sensor low battery condition display: in the outdoor area of the display

Wireless connection to the outdoor sensor

- Press the key “**CHANNEL**“to select a channel. You can read the data of up to 3 sensors at one weather station.
- Press and hold the key “**CHANNEL**“for 3 seconds to search for outdoor sensor.

Informations

- The channel of a transmitter can be changed with the channel selection switch on the back of the transmitter, eg to avoid that two outdoor transmitters occupy the same channel and block each other.
- Outdoor transmitters must be distributed to different channels.

Trouble shooting

The weather station obtains the accurate time with wireless technology. Same as all wireless devices, the reception is maybe affected by the following circumstances:

• Long transmitting distance

• Nearby mountains and valleys

• Among tall buildings

• Near freeway, railway, airports, high voltage cable etc.

• Near construction site

• Inside concrete buildings

• Near electrical appliances (computers, TV’s, etc)

• Inside moving vehicles

• Near metallic structures

Place the station at a location with optimal signal, i.e. close to a window and away from metal surfaces or electrical appliances.

Keep in mind that the outdoor transmitter only has the optimal transmission range in open area with no obstructions. Each obstruction between the transmitter and the station (roof, walls, floors, ceilings, thick trees, etc.) will effectively cut the transmission range in half.

Protection and care of this item

• Do not expose the unit to extreme temperature, water or direct sunlight.

• Avoid contact with any corrosive materials.

• Do not subject the unit to excessive force, dust or humidity.

• Do not open the inner back case or tamper with any components of this unit.

Consideration of duty according to the battery law

Old batteries do not belong to domestic waste because they could cause damages of health and environment. You can return used batteries free of charge to your

dealer and collection points. As end-user you are committed by law to bring back needed batteries to distributors and other collecting points!

Declaration of Conformity:

Hereby, Youshiko Ltd declares, that this weather station is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

12: LIABILITY DISCLAIMER:

• The electrical and electronic wastes contain hazardous substances; Disposal of electronic waste in wild country and/or in unauthorized grounds strongly damages the environment.

• Please contact your local and/or regional authorities to retrieve the addresses of legal dumping grounds with selective collection.

• All electronic instruments must from now on be recycled. User shall take an active part in the re-use, recycling and recovery of the electrical and electronic waste.

•The unrestricted disposal of electronic waste may do harm on public health and the quality of environment.

•As stated on the gift box and labelled on the product, reading the “User manual” is highly recommended for the benefit of the user. This product must not be thrown in general rubbish collection points.

•The manufacturer or supplier cannot accept any responsibility for any incorrect readings and any consequences that occur should an inaccurate reading take place.

• This product is designed for use in the home only as indication of the temperature / Humidity etc

•This product is not to be used for medical purposes or for public information.

• The specifications of this product may change without prior notice.

• This product is not a toy, Keep out of the reach of children.

• No part of this manual may be reproduced without written authorization of the manufacturer.

Supplied in Box:

1 x Youshiko YC9361 Weather station main Unit

1 x outdoor transmitter

1 x instruction manual

1 x power adapter

(Batteries are not included)

All enquiries: service @youshiko.co.uk

CITIES OR STATE DESIGNATION

No.	Country/Cities		Abb.	No.	Country/Cities		Abb.
1	Australia	Sydney	SYD	40	Germany	Koeln	K
2		Melbourne	MEL	41		Kiel	KI
3		Hobart	HBA	42		Kassel	KS
4		Adelaide	ADL	43		Leipzig	L
5		Perth	PER	44		Muenchen	M
6		Darwin	DRW	45		Magdeburg	MD
7		Canberra	CBR	46		Nuernberg	N
8		Townsville	TSV	47		Regensburg	R
9		Alice Springs	ASP	48		stuttgart	S

10		Caims	CNS	49		Saarbruecken	SB
11		Broome	BME	50		Schwerin	SN
12		Geralton	GER	51	Danmark	Alborg	ALB
13		Newcastle	NCL	52		Arhus	ARH
14		Rockhampton	ROK	53		Copenhagen	CPH
15		Mackay	MKY	54		Odense	ODE
16		Carnavon	CAR	55	Spain	Alicante	ALI
17		Esperance	EPR	56		Andorra	AND
18		Albany	ALB	57		Badajoz	BAD
19		Mt.Gambier	MGM	58		Barcelona	BAR
20		Warrnambool	WMB	59		Bilbao	BIL
21		Albury	AL	60		Cadiz	CAD
22		Brisbane	BRS	61		Cordoba	COR
23	New Zealand	Auckland	AKL	62		Ibiza	IBZ
24		Wellington	WLG	63		La Coruna	LCO
25		Christchurch	CHC	64		Leon	LEO
26		Dunedin	DUD	65		Las Palmas	LPA
27	Germany	Aachen	AC	66		Madrid	MAD
28		Berlin	B	67		Malaga	MAL
29		Dusseldorf	D	68		palma de mallorca	LPM
30		Dresden	DD	69		Salamanca	SAL
31		Erfurt	EF	70		Sevilla	SEV
32		Frankfurt	F	71		Valencia	VAL
33		Flensburg	FL	72		Zaragoza	ZAR
34		Freiburg	FR	73	French	Besancon	BES
35		Hannover	H	74		Biarritz	BIA
36		Bremen	HB	75		Bordeaux	BOR
37		Hamburg	HH	76		Brest	BRE
38		Rostock	HRO	77		Cherbourg	CHE
39		Stralsund	HST				

No.	Country/Cities		Abb.	No.	Country/Cities		Abb.
78	French	Clermferrand	CMF	116	Italy	Palermo	PAL
79		Lyon	LYO	117		Parma	PAR
80		Marseille	MAR	118		Perugia	PER
81		Monaco	MCO	119		Rome	ROM
82		Metz	MET	120		Torino	TOR
83		Nantes	NAN	121		Trieste	TRI
84		Nice	NIC	122		Venezia	VEN
85		Orleans	ORL	123		Verona	VER
86		Paris	PAR	124		Ventimiglia	VTG

87		Perpignan	PER	125	Ireland	Dublin	DUB
88		Lille	LIL	126	Luxembourg	Luxemburg	LUX
89		Rouen	ROU	127	Norway	Bergen	BGN
90		Strasbourg	STR	128		Oslo	OSL
91		Toulouse	TOU	129		Stavanger	STA
92	Finland	Helsinki	HEL	130	Netherlands	Amsterdam	AMS
93	UK	Aberdeen	ABD	131		Arnheim	ARN
94		Belfast	BEL	132		Eindhoven	EIN
95		Birmingham	BIR	133		Enschede	ENS
96		Bristol	BRI	134		Groningen	GRO
97		Edinburgh	EDH	135		Den haag	HAA
98		Glasgow	GLW	136		Rotterdam	ROT
99		London	LON	137	Portugal	Evora	AVO
100		Manchester	MAN	138		Coimbra	COI
101		Plymouth	PLY	139		Faro	FAR
102	Hungary	Budapest	BUD	140		Leiria	LEI
103	Croatia	Zagreb	ZAG	141		Lisbon	LIS
104	Ltaly	Ancona	ANG	142		Porto	POR
105		Bari	BAI	143	Poland	Gdansk	GDZ
106		Bologna	BOL	144		Krakow	KKW
107		Cagliari	CAG	145		Poznan	POZ
108		Catania	CAT	146		Szczecin	SCZ
109		Firenze	FIR	147		Warsaw	WAW
110		Foggia	FOG	148	Russia	St Petersburg	PET
111		Genova	GEN	149	Sweden	Goteborg	GOT
112		Lecce	LEC	150		Malmo	MLO
113		Messina	MES	151		Stockholm	STO
114		Milano	MIL	152	Slovakia	Bratislava	BRV
115		Napoli	NAP	153		Ljubljana	LJU

No.	Country/Cities		Abb.
154	Yugoslavia	Berigrade	BEO
155	Austria	Graz	GRZ
156		Innsbruck	INN
157		Linz	LNZ
158		Salzburg	SLZ
159		Vienna	VIE
160	Belgium	Antwerp	ANT

161		Brugge	BRG
162		Brussels	BRU
163		Charleroi	CHA
164		Liege	LIE
165	Switzerland	Basel	BAS
166		Bern	BER
167		Chur	CHR
168		Geneva	GNV
169		Locarno	LOC
170		Lucerne	LUC
171		St Moritz	MOR
172		St Gallen	SEL
173		Sion	SIO
174		Vaduz	VDZ
175		Zurich	ZUR
176	Czech	Prague	PRG