



Series S202/SX202  
Large size displays  
for panel mounting

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### Visible over long distances

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The presentation of information over long distances, the visualisation of process data, Remote indication of measured values - these are typical applications for the digital displays of series S202/SX202.

Designed for industrial applications, these systems have proved themselves worldwide in automation technology, production plants, transport and logistics - in all places where professional solutions are required.

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### Brilliant LED display

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Characterized by their high luminosity, optically high-class LEDs ensure an excellent display with a wide reading angle. Furthermore, non-reflective front panes ensure easy legibility even under unfavourable ambient light.

Apart from devices with red display, versions with green LEDs are available. More colors available on request.



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### Perfect design

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Series S202/SX202 represents perfect design and innovative technology which has proved itself in harsh industrial applications.



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### Parameterization via menu

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A particular advantage of the unit is the comfortable parameterization in a menu. For numerical units, the internal menu display on the rear side shows the same information as the main display - a big advantage when putting it into operation.

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### Built-in housing in modern industry design

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The units come in elegant, black anodized aluminium profile housings which are characterized by their reduced depth. They are designed for panel mounting and possess protection type IP65 from the front.






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### Numeric Displays

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Character height 57 mm for reading distances up to approx. 25 m  
 2 to 6 digits with serial interface  
 2, 3, 4 or 5 digits with parallel interface  
 Available with dimension symbol

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### Alphanumeric displays

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Character heights 30 and 50 mm for reading distances up to approx. 12 or 20 m respectively  
 Interfaces: Profibus, Modbus or serial  
 Display with 4, 6, 8, 12, 16, 20 or 24 digits

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### Interfaces




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The units are available with different interfaces:

- Serial RS485/RS232
- Serial TTY 20 mA/RS232
- Profibus DP
- Parallel, PLC-compatible
- Analog
- Counter



## Numeric large size displays

Standard displays				
Character height	Display	2 digits	3 digits	4 digits
57 mm	LED red	S202-02/06/0R-001/0B-...	S202-03/06/0R-001/0B-...	S202-04/06/0R-001/0B-...
	Dimensions W x H	144 x 96 mm	192 x 96 mm	240 x 96 mm
	Weight	approx. 560 g	approx. 700 g	approx. 840 g
	Power consumption <sup>5)</sup>	approx. 4 (7) VA	approx. 5 (8) VA	approx. 6 (9) VA

Standard displays with dimension symbol <sup>1)</sup>				
Character height	Display	2 digits + dimension	3 digits + dimension	4 digits + dimension
57 mm	LED red	S202-F2/06/0R-001/0B-...	S202-F3/06/0R-001/0B-...	S202-F4/06/0R-001/0B-...
	Dimensions W x H	192 x 96 mm	240 x 96 mm	288 x 96 mm
	Weight	approx. 700 g	approx. 840 g	approx. 980 g
	Power consumption <sup>5)</sup>	approx. 4 (7) VA	approx. 5 (8) VA	approx. 6 (9) VA

### Interface<sup>2)</sup>

Profibus DP (...-K0)	■	■	■
Modbus RTU (...-M0)	■	■	■
Serial RS485/RS232 (...-S0)	■	■	■
Serial 20 mA TTY/RS232 (...-T0)	■	■	■
Parallel (...-P0)	■	■	■
Counter (...-Z0)	■	■	■
Analog 0/4...20 mA, 0...10V (...-A0)	■	■	■

### Features

Character set 0...9 + various ASCII characters <sup>3)</sup>	■	■	■
Monitor display on the back of the unit	■	■	■
Parametering by menu	■	■	■
Serial signal output RS422 <sup>4)</sup>	■	■	■
Switching outputs <sup>4)</sup>	2	2	2
Plug-in terminal strip	■	■	■

<sup>1)</sup> The desired dimension symbol is to be stated in the order (see table page 8).

<sup>2)</sup> The interface ordering code is to be appended to the order number, e. g. S202-04/06/0R-001/0B-S0

<sup>3)</sup> Various ASCII characters not in connection with analog interface

<sup>4)</sup> Only in connection with analog interface

<sup>5)</sup> The indications in brackets apply to devices with counter interface.



5 digits

S202-05/06/0R-001/0B-...

288 x 96 mm

approx. 980 g

approx . 7 (10) VA

6 digits

S202-06/06/0R-001/0B-...

336 x 96 mm

approx. 1120 g

approx. 8 (11) VA



5 digits + dimension

S202-F5/06/0R-001/0B-...

336 x 96 mm

approx . 1120 g

approx . 7 (10) VA



6 digits + dimension

S202-F6/06/0R-001/0B-...

384 x 96 mm

approx. 1180 g

approx. 8 (11) VA



## Alphanumeric large size displays



### Standard displays

Character height	Display	4 digits	6 digits	8 digits
30 mm	LED red	-	-	SX202-08/03/0R-001/0B-...
	Dimensions W x H	-	-	264 x 96 mm
	Weight	-	-	approx. 650 g
	Power consumption	-	-	approx. 18 VA
50 mm	LED red	SX202-04/05/0R-001/0B-...	SX202-06/05/0R-001/0B-...	SX202-08/05/0R-001/0B-...
	Dimensions W x H	240 x 96 mm	336 x 96 mm	432 x 96 mm
	Weight	approx. 840 g	approx. 1120 g	approx. 1400 g
	Power consumption	approx. 14 VA	approx. 18 VA	approx. 23 VA

### Interface<sup>1)</sup>

Profibus DP (...-K0)	■	■	■
Modbus RTU (...-M0)	■	■	■
Serial RS485/RS232 (...-S0)	■	■	■
Serial 20 mA TTY/RS232 (...-T0)	■	■	■

### Features

Brilliant LED display 5x7-dot matrix	■	■	■
Character set ASCII incl. Cyrillic	■	■	■
Monitor display on the back of the unit	■	■	■
Parametering by menu	■	■	■
Plug-in terminal strip	■	■	■
Reflection-free front pane	■	■	■

<sup>1)</sup> The interface ordering code is to be appended to the order number, e. g. SX202-08/05/0R-001/0B-S0



12 digits	16 digits	20 digits	24 digits
SX202-12/03/0R-001/0B-...	SX202-16/03/0R-001/0B-...	SX202-20/03/0R-001/0B-...	SX202-24/03/0R-001/0B-..
384 x 96 mm	480 x 96 mm	600 x 96 mm	696 x 96 mm
approx. 900 g	approx. 1150 g	approx. 1400 g	approx. 1650 g
approx. 24 VA	approx. 30 VA	approx. 37 VA	approx. 43 VA
SX202-12/05/0R-001/0B-...	SX202-16/05/0R-001/0B-...	-	-
624 x 96 mm	816 x 96 mm	-	-
approx. 1960 g	approx. 2550 g	-	-
approx. 33 VA	approx. 41 VA	-	-

■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■

■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■

### Technical data

Power supply	24 V DC (18...30 V), protected against reversed polarity, galvanically isolated
Housing	Aluminium profile housing in modern industrial design, black anodized
Protection type	IP65 front (surrounding seal in front frame)
Operating temperature	0...50 °C
Storage temperature	-20...70 °C
Relative humidity	95% (non-condensing)

### Options

LED green	SX202/SX302-xx/xx/xG-xxx/xx-xx
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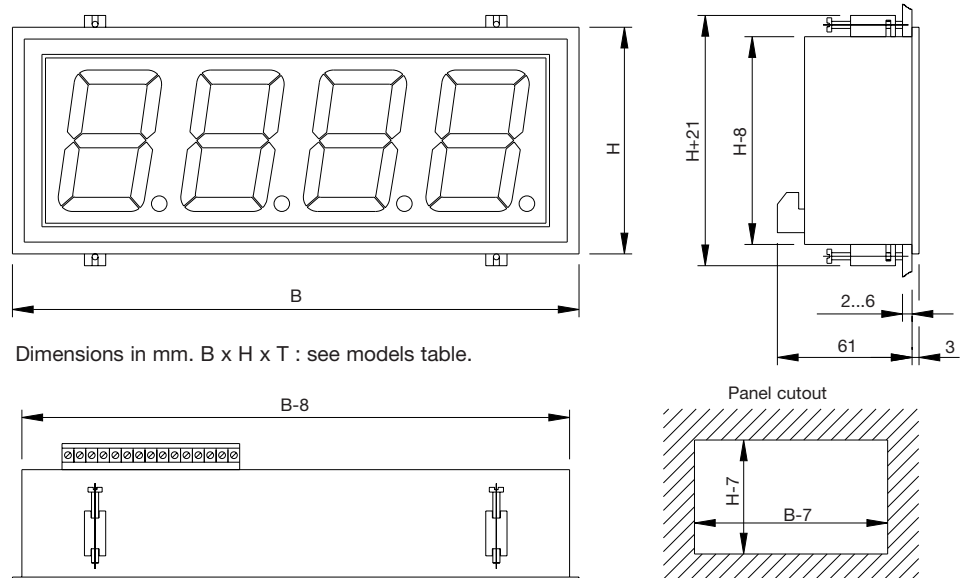
### Dimension symbol

F101	F102	F103	F104	F106	F107	F111	F112	F113	F114	F120	
<b>g</b>	<b>kg</b>	<b>t</b>	<b>kp</b>	$\frac{\text{kg}}{\text{min}}$	$\frac{\text{kg}}{\text{h}}$	$\frac{\text{g}}{\text{mm}^2}$	$\frac{\text{kg}}{\text{cm}^2}$	$\frac{\text{kg}}{\text{m}^2}$	$\frac{\text{kg}}{\text{m}^3}$	<b>t/h</b>	
F131	F132	F141	F143	F152	F154	F201	F202	F203	F204	F205	F206
<b>N</b>	<b>kN</b>	<b>l</b>	$\frac{\text{l}}{\text{min}}$	<b>l/s</b>	<b>l/h</b>	<b>mm</b>	<b>cm</b>	<b>m</b>	<b>km</b>	<b>mm<sup>2</sup></b>	<b>cm<sup>2</sup></b>
F207	F208	F209	F210	F211	F212	F213	F214	F215	F216	F218	F220
<b>m<sup>2</sup></b>	<b>mm<sup>3</sup></b>	<b>cm<sup>3</sup></b>	<b>m<sup>3</sup></b>	$\frac{\text{mm}}{\text{s}}$	$\frac{\text{mm}}{\text{min}}$	$\frac{\text{mm}}{\text{h}}$	$\frac{\text{cm}}{\text{s}}$	$\frac{\text{cm}}{\text{min}}$	$\frac{\text{cm}}{\text{h}}$	$\frac{\text{m}}{\text{min}}$	$\frac{\text{km}}{\text{h}}$
F227	F229	F233	F235	F236	F237	F303	F304	F308	F309	F310	F313
$\frac{\text{m}}{\text{s}}$	$\frac{\text{m}}{\text{h}}$	$\frac{\text{m}^2}{\text{h}}$	$\frac{\text{m}^3}{\text{min}}$	$\frac{\text{m}^3}{\text{h}}$	$\frac{\text{Nm}^3}{\text{h}}$	<b>V</b>	<b>kV</b>	<b>VA</b>	<b>kVA</b>	<b>MVA</b>	<b>A</b>
F318	F319	F323	F324	F325	F331	F332	F402	F403	F404	F405	F407
<b>Hz</b>	<b>kHz</b>	<b>W</b>	<b>kW</b>	<b>MW</b>	<b>kWh</b>	<b>MWh</b>	<b>s</b>	<b>min</b>	<b>h</b>	$\frac{1}{\text{min}}$	$\frac{\text{Stk}}{\text{min}}$
F408	F416	F432	F433	F434	F435	F440	F441	F444	F445	F446	F447
$\frac{\text{Stk}}{\text{h}}$	<b>rpm</b>	<b>%</b>	<b>%F</b>	<b>%rF</b>	<b>%rH</b>	<b>°C</b>	<b>ppm</b>	<b>bar</b>	<b>Pa</b>	<b>kPa</b>	<b>pH</b>

Typeface: Helvetica, Material: Heavy-duty foil, Color: white  
 Size: depends on the dimension symbol in question

### Dimensions

Example 4-digit numeric display Dimensions in mm





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