

# Series S202/SX202

## Panel mount digital displays






The digital displays of the S202 and SX202 series are designed for installation in front panels or for switch panel mounting. With character heights of 57 mm for the numeric and 30 or 50 mm for the alphanumeric versions they are also well readable from further distances.



# Series S202

## Units with numeric display




### Standard units

			
<b>Character height 57 mm</b>	<b>2 digits</b>	<b>3 digits</b>	<b>4 digits</b>
Type designation	S202-02/06/0R-001/0B-xx	S202-03/06/0x-001/0B-xx	S202-04/06/0x-001/0B-xx
Measures A x B	144 x 96 mm	192 x 96 mm	240 x 96 mm



  

		
<b>Character height 57 mm</b>	<b>5 digits</b>	<b>6 digits</b>
Type designation	S202-05/06/0x-001/0B-xx	S202-06/06/0x-001/0B-xx
Measures A x B	288 x 96 mm	336 x 96 mm

### Stand units with dimension symbols

			
<b>Character height 57 mm</b>	<b>2 digits + dimension<sup>1</sup></b>	<b>3 digits + dimension<sup>1</sup></b>	<b>4 digits + dimension<sup>1</sup></b>
Type designation	S202-F2/06/0R-001/0B-xx	S202-F3/06/0x-001/0B-xx	S202-F4/06/0x-001/0B-xx
Measures A x B	192 x 96 mm	240 x 96 mm	288 x 96 mm

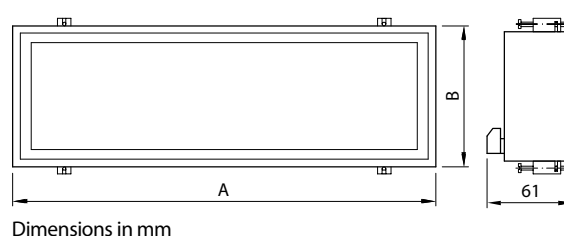
  

		
<b>Character height 57 mm</b>	<b>5 digits + dimension<sup>1</sup></b>	<b>6 digits + dimension<sup>1</sup></b>
Type designation	S202-F5/06/0x-001/0B-xx	S202-F6/06/0x-001/0B-xx
Measures A x B	336 x 96 mm	384 x 96 mm

<sup>1</sup> Dimension symbols see table on page 3

### Technical data

Power supply	24 V DC ±15 %, galvanically isolated, protected against reversed polarity
Protection type	IP65 front
Connecting technology	Plug-in screw-type terminals, Profibus 9-pin sub-D socket
Detailed technical data see operating instructions.	



### LED color

Red	S202-xx/xx/xR-xxx/xx-xx
Green	S202-xx/xx/xG-xxx/xx-xx



### Second display on the back of the unit

On the back side of the unit a second display shows the same values as the main display. There is no need for the main display to be visible during commissioning and parameterization.

In the menu mode a menu appears in the second display. Operation modes, parameters and device functions are defined in the menu. You can also define a fixed decimal point, if leading zeros are to be displayed or not to be displayed or if a display test has to take place after power-on.



### Switching outputs

Units with analog or counting pulse inputs have potential-free switching outputs. The switching points are to be set in the menu.

### Extended character set

Among the digits the character set also contains letters and special characters which can be displayed with a 7-segment matrix (applies to devices with serial or fieldbus interface).

### Data interface

Profibus DP	S202-xx/xx/xx-xxx/xx-K0
Modbus RTU	S202-xx/xx/xx-xxx/xx-M0
RS485/RS232	S202-xx/xx/xx-xxx/xx-S0
20 mA TTY/RS232	S202-xx/xx/xx-xxx/xx-T0
BCD/binary	S202-xx/xx/xx-xxx/xx-P0 (2 to 5 characters)
Analog	S202-xx/xx/xx-xxx/xx-A0 (2 to 5 characters)
Counter	S202-xx/xx/xx-xxx/xx-Z0

### Sensor supply

The units have a voltage source to supply the sensors or signalers (applies to devices with analog, parallel or counting pulse input).

### Dimension symbols

<b>g</b>	<b>kg</b>	<b>t</b>	<b>kp</b>	<b>lb</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>
F101	F102	F103	F104	F105	F106	F107	F111	F112	F113	F114	F120
<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>
F131	F132	F141	F143	F152	F154	F201	F202	F203	F204	F205	F206
<b>m<sup>2</sup></b>	<b>mm<sup>3</sup></b>	<b>cm<sup>3</sup></b>	<b>m<sup>3</sup></b>	$\frac{\text{mm}}{\text{s}}$	$\frac{\text{mm}}{\text{min}}$	$\frac{\text{mm}}{\text{h}}$	$\frac{\text{cm}}{\text{s}}$	$\frac{\text{cm}}{\text{min}}$	$\frac{\text{cm}}{\text{h}}$	$\frac{\text{m}}{\text{min}}$	$\frac{\text{km}}{\text{h}}$
F207	F208	F209	F210	F211	F212	F213	F214	F215	F216	F218	F220
$\frac{\text{m}}{\text{s}}$	$\frac{\text{m}}{\text{h}}$	$\frac{\text{m}^2}{\text{h}}$	$\frac{\text{m}^3}{\text{min}}$	$\frac{\text{m}^3}{\text{h}}$	$\frac{\text{Nm}^3}{\text{h}}$	<b>V</b>	<b>kV</b>	<b>VA</b>	<b>kVA</b>	<b>MVA</b>	<b>A</b>
F227	F229	F233	F235	F236	F237	F303	F304	F308	F309	F310	F313
<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>	$\frac{1}{\text{min}}$	$\frac{\text{Stk}}{\text{min}}$
F318	F319	F323	F324	F325	F331	F332	F402	F403	F404	F405	F407
$\frac{\text{Stk}}{\text{h}}$	<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>
F408	F416	F432	F433	F434	F435	F440	F441	F444	F445	F446	F447



# Series SX202

## Displays for alphanumeric character representation

### Standard units



Character height 30 mm	8 characters	12 characters	16 characters
Type designation	SX202-08/03/0x-001/0B-xx	SX202-12/03/0x-001/0B-xx	SX202-16/03/0x-001/0B-xx
Measures A x B	264 x 96 mm	384 x 96 mm	480 x 96 mm



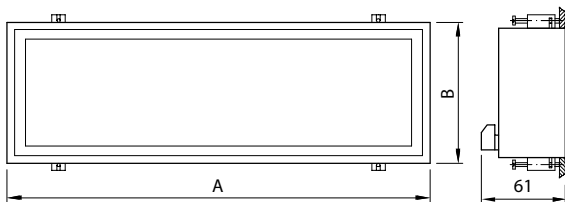
Character height 30 mm	20 characters	24 characters
Type designation	SX202-20/03/0x-001/0B-xx	SX202-24/03/0x-001/0B-xx
Measures A x B	600 x 96 mm	696 x 96 mm



Character height 50 mm	4 characters	6 characters	8 characters
Type designation	SX202-04/05/0x-001/0B-xx	SX202-06/05/0x-001/0B-xx	SX202-08/05/0x-001/0B-xx
Measures A x B	240 x 96 mm	336 x 96 mm	432 x 96 mm



Character height 50 mm	12 characters	16 characters
Type designation	SX202-12/05/0x-001/0B-xx	SX202-16/05/0x-001/0B-xx
Measures A x B	624 x 96 mm	816 x 96 mm



Dimensions in mm



### Menu-guided parameterization

Operation modes, parameters and device functions are defined in the menu. The menu appears on the back of the unit in a separate display. There is no need of the main display to be visible during parameterization.

### Data interface

Profibus DP	SX202-xx/xx/xx-xxx/xx-K0
Modbus RTU	SX202-xx/xx/xx-xxx/xx-M0
RS485/RS232	SX202-xx/xx/xx-xxx/xx-S0
20mATTY/RS232	SX202-xx/xx/xx-xxx/xx-T0

### LED color

Red	SX202-xx/xx/xR-xxx/xx-xx
Green	SX202-xx/xx/xG-xxx/xx-xx

### Technical data

Power supply	24 V DC $\pm$ 15 %, galvanically isolated, protected against reversed polarity
Protection type	IP65 front
Connecting technology	plug-in screw-type terminals, Profibus 9-pin sub-D socket

Detailed technical data see operating instructions.