

# Series S302

## Numeric large size displays for Profinet



With technical perfection and innovative details the S302 series sets a standard for professional large size displays. The wide range of types covers devices with up to 8 digits, character heights from 57 to 250 mm.

# Series S302

## Numeric large size displays



### Comfortable parameterization

The displays are fully parameterized with an engineering framework, for example Totally Integrated Automation (TIA) Siemens portal. This permits the parameterization even in mounted condition.

### Integrated switch

The devices have two RJ45 sockets and an integrated IRT-ready switch in accordance with the conformance class CC-C.



### Smart-Dot-Function

If the Smart-Dot-Function is activated the display moves the decimal point automatically, so that the value before decimal point is automatically displayed. The decimal places are either truncated or rounded.

To display a date or a code several decimal points can be displayed also.



### Different presentational attribute

Values can be displays left-justified or right-justified. There are also different flashing modes to choose.

An automatic change in presentation is possible as well as when exceeding two threshold values or when falling below two threshold values. If for example the limit value is exceeded the value is flashing in the display. When the value returns to a value within the threshold the value shines permanently on the display again.

### Readable one- or double-sided

The large size displays are offered either with a one- or a double-sided display. The versions with a double-sided display have a LED display and show the same information on both sides.



### Display overflow and underflow

If the display receives values which can not be displayed `uuuu` or `□□□□` appears in the display.

### Unit conversion function

A formula, which can be stored in the display, allows the displaying of values in other measuring units, for example degrees Fahrenheit in degrees Celsius or kilograms to tons.

### Leading zeros

The numbers of the leading zeros can be set individually.



### Extended character set

Among the digits the character set also contains the other letters and special characters which can be displayed with a 7-segment matrix.

### Dimension symbols

Displays with dimension symbols are available (see page 5).





## Standard units

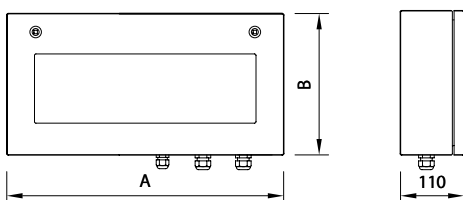


Character height		1 digit	2 digits	3 digits	4 digits
57 mm	One-sided display	—	S302-02/06/0x-100/0A-N0	S302-03/06/0x-100/0A-N0	S302-04/06/0x-100/0A-N0
	Double-sided display	—	S302-02/06/0x-200/3A-N0	S302-03/06/0x-200/3A-N0	S302-04/06/0x-200/3A-N0
	Measures A x B	—	300 x 185 mm	300 x 185 mm	300 x 185 mm
100 mm	One-sided display	S302-01/10/0x-100/0A-N0	S302-02/10/0x-100/0A-N0	S302-03/10/0x-100/0A-N0	S302-04/10/0x-100/0A-N0
	Double-sided display	S302-01/10/0x-200/3A-N0	S302-02/10/0x-200/3A-N0	S302-03/10/0x-200/3A-N0	S302-04/10/0x-200/3A-N0
	Measures A x B	330 x 245 mm	330 x 245 mm	480 x 245 mm	480 x 245 mm
160 mm	One-sided display	S302-01/16/0x-100/0A-N0	S302-02/16/0x-100/0A-N0	S302-03/16/0x-100/0A-N0	S302-04/16/0x-100/0A-N0
	Double-sided display	S302-01/16/0x-200/3A-N0	S302-02/16/0x-200/3A-N0	S302-03/16/0x-200/3A-N0	S302-04/16/0x-200/3A-N0
	Measures A x B	390 x 300 mm	390 x 300 mm	670 x 300 mm	670 x 300 mm
250 mm	One-sided display	S302-01/25/0x-100/0A-N0	S302-02/25/0x-100/0A-N0	S302-03/25/0x-100/0A-N0	S302-04/25/0x-100/0A-N0
	Double-sided display	S302-01/25/0x-200/3A-N0	S302-02/25/0x-200/3A-N0	S302-03/25/0x-200/3A-N0	S302-04/25/0x-200/3A-N0
	Measures A x B	570 x 400 mm	570 x 400 mm	1030 x 400 mm	1030 x 400 mm



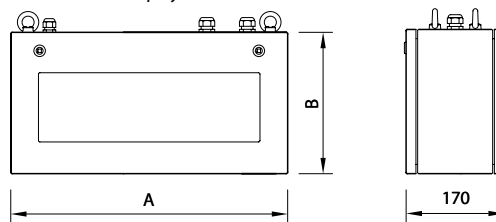
Character height		5 digits	6 digits	7 digits	8 digits
57 mm	One-sided display	S302-05/06/0x-100/0A-N0	S302-06/06/0x-100/0A-N0	S302-07/06/0x-100/0A-N0	S302-08/06/0x-100/0A-N0
	Double-sided display	S302-05/06/0x-200/3A-N0	S302-06/06/0x-200/3A-N0	S302-07/06/0x-200/3A-N0	S302-08/06/0x-200/3A-N0
	Measures A x B	400 x 185 mm	400 x 185 mm	510 x 185 mm	510 x 185 mm
100 mm	One-sided display	S302-05/10/0x-100/0A-N0	S302-06/10/0x-100/0A-N0	S302-07/10/0x-100/0A-N0	S302-08/10/0x-100/0A-N0
	Double-sided display	S302-05/10/0x-200/3A-N0	S302-06/10/0x-200/3A-N0	S302-07/10/0x-200/3A-N0	S302-08/10/0x-200/3A-N0
	Abmessungen A x B	680 x 245 mm	680 x 245 mm	870 x 245 mm	870 x 245 mm
160 mm	One-sided display	S302-05/16/0x-100/0A-N0	S302-06/16/0x-100/0A-N0	S302-07/16/0x-100/0A-N0	—
	Double-sided display	S302-05/16/0x-200/3A-N0	S302-06/16/0x-200/3A-N0	S302-07/16/0x-200/3A-N0	—
	Measures A x B	960 x 300 mm	960 x 300 mm	1100 x 300 mm	—
250 mm	One-sided display	S302-05/25/0x-100/0A-N0	S302-06/25/0x-100/0A-N0	S302-07/25/0x-100/0A-N0	—
	Double-sided display	S302-05/25/0x-200/3A-N0	S302-06/25/0x-200/3A-N0	S302-07/25/0x-200/3A-N0	—
	Measures A x B	1500 x 400 mm	1500 x 400 mm	1730 x 400 mm	—

One-sided display



Dimensions in mm

Double-sided display





### Stand units with dimension symbols



Character height		1 digit + dimension <sup>1</sup>	2 digits + dimension <sup>1</sup>	3 digits + dimension <sup>1</sup>	4 digits + dimension <sup>1</sup>
57 mm	One-sided display	—	S302-F2/06/0x-100/0A-N0	S302-F3/06/0x-100/0A-N0	S302-F4/06/0x-100/0A-N0
	Double-sided display	—	S302-F2/06/0x-200/3A-N0	S302-F3/06/0x-200/3A-N0	S302-F4/06/0x-200/3A-N0
	Measures A x B	—	300 <sup>1</sup> x 185 mm	300 <sup>1</sup> x 185 mm	400 x 185 mm
100 mm	One-sided display	S302-F1/10/0x-100/0A-N0	S302-F2/10/0x-100/0A-N0	S302-F3/10/0x-100/0A-N0	S302-F4/10/0x-100/0A-N0
	Double-sided display	S302-F1/10/0x-200/3A-N0	S302-F2/10/0x-200/3A-N0	S302-F3/10/0x-200/3A-N0	S302-F4/10/0x-200/3A-N0
	Measures A x B	330 x 245 mm	480 x 245 mm	480 x 245 mm	680 x 245 mm
160 mm	One-sided display	S302-F1/16/0x-100/0A-N0	S302-F2/16/0x-100/0A-N0	S302-F3/16/0x-100/0A-N0	S302-F4/16/0x-100/0A-N0
	Double-sided display	S302-F1/16/0x-200/3A-N0	S302-F2/16/0x-200/3A-N0	S302-F3/16/0x-200/3A-N0	S302-F4/16/0x-200/3A-N0
	Measures A x B	390 x 300 mm	670 x 300 mm	670 x 300 mm	960 x 300 mm
250 mm	One-sided display	S302-F1/25/0x-100/0A-N0	S302-F2/25/0x-100/0A-N0	S302-F3/25/0x-100/0A-N0	S302-F4/25/0x-100/0A-N0
	Double-sided display	S302-F1/25/0x-200/3A-N0	S302-F2/25/0x-200/3A-N0	S302-F3/25/0x-200/3A-N0	S302-F4/25/0x-200/3A-N0
	Measures A x B	570 x 400 mm	1030 x 400 mm	1030 x 400 mm	1500 x 400 mm



Character height		5 digits + dimension <sup>1</sup>	6 digits + dimension <sup>1</sup>	7 digits + dimension <sup>1</sup>
57 mm	One-sided display	S302-F5/06/0x-100/0A-N0	S302-F6/06/0x-100/0A-N0	S302-F7/06/0x-100/0A-N0
	Double-sided display	S302-F5/06/0x-200/3A-N0	S302-F6/06/0x-200/3A-N0	S302-F7/06/0x-200/3A-N0
	Measures A x B	400 x 185 mm	510 x 185 mm	510 x 185 mm
100 mm	One-sided display	S302-F5/10/0x-100/0A-N0	S302-F6/10/0x-100/0A-N0	S302-F7/10/0x-100/0A-N0
	Double-sided display	S302-F5/10/0x-200/3A-N0	S302-F6/10/0x-200/3A-N0	S302-F7/10/0x-200/3A-N0
	Measures A x B	680 x 245 mm	870 x 245 mm	870 x 245 mm
160 mm	One-sided display	S302-F5/16/0x-100/0A-N0	S302-F6/16/0x-100/0A-N0	—
	Double-sided display	S302-F5/16/0x-200/3A-N0	S302-F6/16/0x-200/3A-N0	—
	Measures A x B	960 x 300 mm	1100 x 300 mm	—
250 mm	One-sided display	S302-F5/25/0x-100/0A-N0	S302-F6/25/0x-100/0A-N0	—
	Double-sided display	S302-F5/25/0x-200/3A-N0	S302-F6/25/0x-200/3A-N0	—
	Measures A x B	1500 x 400 mm	1730 x 400 mm	—

<sup>1</sup> Dimension symbols see table below

### Dimension symbols

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

### LED color

White	S302-xx/xx/xW-xxx/xx-xx
Red	S302-xx/xx/xR-xxx/xx-xx
Red/green/orange <sup>1</sup>	S302-xx/xx/xM-xxx/xx-xx
Green	S302-xx/xx/xG-xxx/xx-xx
Yellow	S302-xx/xx/xY-xxx/xx-xx

<sup>1</sup> Only in connection with character height 57 and 100 mm for indoor use

### Options

LED for outdoor use <sup>1</sup>	S302-xx/xx/2x-xxx/xx-xx
Housing with two-layer coating	S302-xx/xx/xx-x1x/xx-xx
Housing V2A (stainless steel), varnished	S302-xx/xx/xx-x2x/xx-xx
Housing V2A (stainless steel), brushed	S302-xx/xx/xx-x3x/xx-xx
Housing V4A (stainless steel), brushed	S302-xx/xx/xx-x5x/xx-xx
Protection type IP65	S302-xx/xx/xx-xx1/xx-xx
Protection type IP54 with climate control	S302-xx/xx/xx-xx2/xx-xx
Protection type IP54 with climate control and heating	S302-xx/xx/xx-xx4/xx-xx
Protective weather cover	S302-xx/xx/xx-xxx/xx-xx-1011
Power supply 24 V DC	S302-xx/xx/xx-xxx/xB-xx

<sup>1</sup> Not in connection with character height 57 and 100 mm for indoor use

### Technical data

Power supply	230 V AC ±15 %, 50 Hz, optional 24 V DC ±15 % or 115 V AC ±15 %, 60 Hz
Housing	Steel sheet, optional stainless steel, Varnishing RAL 5002 ultramarine blue/RAL 7035 light grey
Protection type	IP54, optional IP65
Detailed technical data see operating instructions.	

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**INTERNATIONAL**

Argentina, Australia, Czech Republic, China, Colombia, Denmark, Estonia, Finland, Great Britain, Hong Kong, Island, Israel, Korea, Malaysia, Mexico, Norway, Poland, Russia, Singapore, Spain, South Afrika, Turkey

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