

SP5 SERIES

ONE PIECE, SPLASHPROOF DISPLAY



The SP5 Series consists of a 2-wire, signal powered voltmeter, a 1V d.c. virtual analog voltmeter and a graphics display in a clip mount housing.

This range of modules has a very low profile design. Once fitted, the face of the module sits almost flush with the panel. At the rear of the module, the mounting depth is also kept to a minimum, allowing use of the space behind the module.

For harsher applications, the SP5 Series is supplied with a rubber seal which, once fitted makes the modules splashproof from the front.

Typical applications for this series include handheld instrumentation and process equipment.



4 to 25V d.c. Signal Powered Voltmeter

Stock No.

SP 5-1200-BL

- 3 digit LCD with 18mm digit height
- LED backlighting (via separate supply)
- 4 to 25V d.c. operating range
- Reverse polarity protection
- No calibration required
- Supplied with splashproof seal
- Screw terminal connections



1V d.c. Virtual Analog Voltmeter

Stock No.

SP 5-1710-BL

- 17 segment virtual analog LCD with colour scale
- LED backlighting
- 0 to 1V and -1 to 0 to 1V d.c. ranges
- Auto-zero
- No calibration required
- Supplied with splashproof seal
- Screw terminal connections



128 x 64 Pixel Graphics Display

Stock No.

SP 5-GFX1

- 128 x 64 pixel LCD
- LED backlighting
- 6 o'clock viewing direction
- Serial data interface
- Supplied with splashproof seal
- SIL 10-way connection

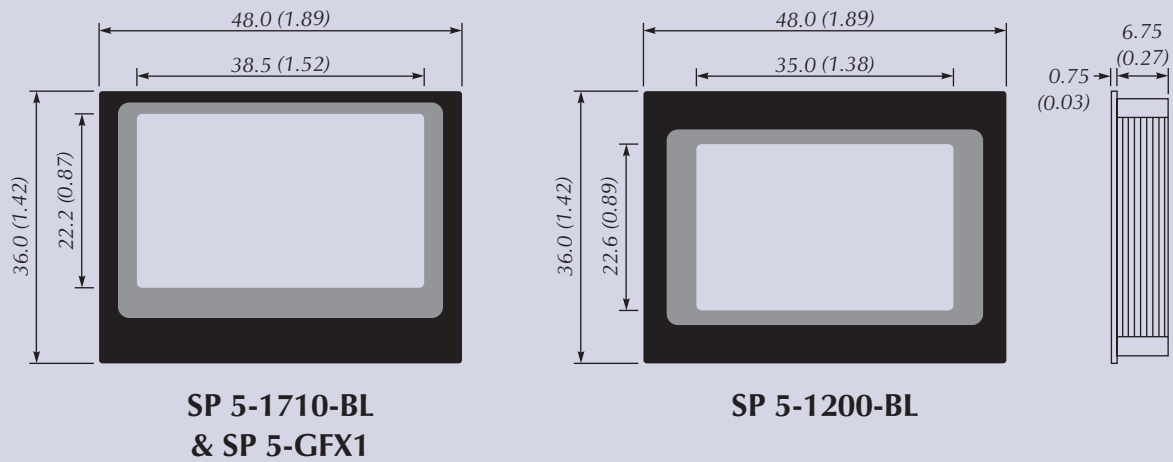
FOR A FULL PRODUCT DATA SHEET, PRICING AND ON-LINE STORE VISIT:

www.lascarelectronics.com



Mechanical Specification

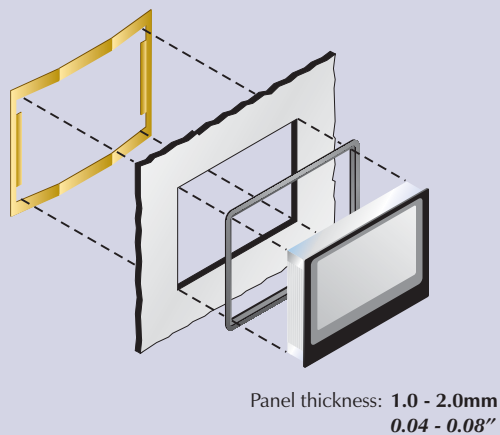
All dimensions in mm (inches)



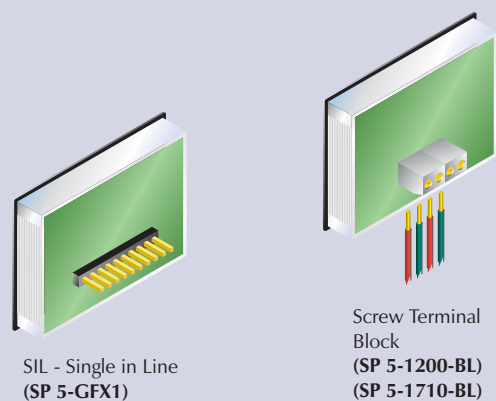
Dimensions	SP 5-1200-BL	SP 5-1710-BL	SP 5-GFX1
Digit height	18mm 0.7"	-	-
Panel cut-out (W X H)	47.0 x 35.0mm 1.85" x 1.38"	47.0 x 35.0mm 1.85" x 1.38"	47.0 x 35.0mm 1.85" x 1.38"
Bezel (W X H)	48.0 x 36.0mm 1.89" x 1.42"	48.0 x 36.0mm 1.89" x 1.42"	48.0 x 36.0mm 1.89" x 1.42"

Specification	SP 5-1200-BL	SP 5-1710-BL	SP 5-GFX1
Accuracy (overall error)*	0.2V (± 1 count) (typ.)	1 segment (± 1)	-
Full scale reading	4.0 to 25.0V d.c.	0 to 1V d.c. (left/right hand zero position) -1 to +1V d.c. (centre zero position)	-
Resolution	100mV d.c.	62.5mV d.c. (left/right hand zero position) 125mV d.c. (centre zero position)	-
Linearity	± 1 count (max.)	-	-
Sample rate	3 samples/sec.	4 samples/sec.	-
Operating temperature range	0°C to 50°C	0°C to 50°C	-0°C to 50°C
Supply voltage	3.0 to 50V d.c.	5.0 to 12V d.c.	4.5 to 5.5V d.c.
Supply current	1.5mA @ 9V d.c. (max.)	6mA (typ.)	350µA (typ.)
Backlight supply voltage	5V d.c. (typ.)	5V d.c. (typ.)	5V d.c. (typ.)
Backlight supply current	50mA (typ.)	50mA (typ.)	50mA (typ.)

Mounting Method



Connection



Please note that all specifications are correct at time of print. The Company reserves the right to change any specification, typographical, clerical or other error or omission without any liability on the part of the company.

Lascar Electronics Limited

Module House, Whiteparish, Salisbury,
Wiltshire SP5 2SJ UK

Tel: +44 (0)1794 884567 Fax: +44 (0)1794 884616
E-mail: sales@lascar.co.uk

Lascar Electronics, Inc.

3750 West 26th Street,
Erie, PA 16506

Tel: +1 (814) 835 0621 Fax: +1 (814) 838 8141
E-mail: us-sales@lascarelectronics.com

Lascar Electronics (HK) Limited

Flat C, 5/FL., Lucky Fty. Bldg., 63-65 Hung To Road,
Kwun Tong, Kowloon, Hong Kong

Tel: +852 2797 3219 Fax: +852 2343 6187
E-mail: b4lascar@samsongroup.com.hk

