

100 mm LCD Numerical Display



The best way to present serial data for industrial and consumer applications



- *quick installation*
- *5 to 8 high contrast digits*
- *perfect in direct sunlight*
- *IP65 and wide temperature range*
- *long life*
- *low power*
- *built-in backlight*
- *self contained*

DESCRIPTION

The 100 mm family of scoreboards presents a versatile and robust solution to display measurements or any other information in a large format. The scoreboard may be connected directly to your instrument, a PC or other central control unit. Flexible configuration of interface and protocols, along with the possibility of customisation of control software will adapt the unit to almost any application. Automatic detection of communication speed and telegram type makes installation simple. Built-in diagnostics will help the user during installation and service. The low power technology of our controller and display technology doubles the useable lifetime compared to other systems.

The unit is configurable through an optional IR Remote Control or by using a serial terminal/PC.

Stainless steel enclosure may be mounted indoors as well as outdoor without extra protection. The scoreboard is supplied with a universal mounting bracket ensuring easy installation in almost any location.



Norsk Display AS
Tel: (+47) 32 88 70 00
Fax: (+47) 32 88 70 01
info@norskdisplay.com
www.norskdisplay.com

100 mm Display Description

DISPLAY CHARACTERISTICS

Character Height	102 mm
Number of digits	1 to 8; 7 and 8 in larger enclosure
Resolution	Seven segments plus colon and decimal point
Technology	Transflective negative or positive TN LCD
Designator	Permanent label sticker (eg. kg, t, rpm, °C, pH)
Backlight	Yes; amber LEDs

MECHANICAL

Size casing	540 mm x 169 mm x 37 mm (l x h x d)
Size inc. bracket	555 mm x 180 mm x 70 mm (l x h x d)
Materials	1 mm stainless steel, AR coated glass
Protection	IP65 waterproof housing, sealed electronics, guaranteed for un-protected outdoor use and hose down washing.
Operating temp.	-35°C to +65°C (intermittent up to +80°C)
Weight	4,5 kg net, 5,5 kg shipping

ELECTRONICS

Interface, standard	RS-232, RS-422/RS-485 input and 20 mA Current Loop field selectable Baud rates: 300-38400 with 7 or 8 databits; even, odd or no parity Automatic detection of communication speed and message format
Optional interface	Analog inputs, fieldbus interfaces, counters
Power requirements	N5/1-100-BL: 24 VDC typically 100 mA with backlight or 12 VDC typically 100 mA with reduced backlight or 9 VDC typically 10 mA without backlight N5/1-100-N-BL: 24 VDC typically 250 mA with backlight or 12 VDC typically 10 mA without backlight or 9 VDC typically 10 mA without backlight
Termination	PG9 cable gland fitted with 4 meter unterminated shielded cable

SAFETY & ENVIRONMENT

Health and Safety	The unit contains negligible amounts of combustible materials, and will not support a fire. No toxic or hazardous material is used. Fulfills RoHS directive (lead free) from january 2006.
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DIMENSIONS (in metric millimetres, 6 digit version shown)

