

## 45 mm LCD Numerical Display



N6/1-45-BL

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



- *quick installation*
- *6 high contrast digits*
- *perfect in direct sunlight*
- *IP40; optional IP65*
- *long life*
- *low power*
- *built-in backlight*
- *self contained*

### DESCRIPTION

The 45 mm scoreboard 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. The low power technology of our controller and display technology increases the useable lifetime compared to other systems.

The unit is configurable using a serial terminal or PC.

Extra protected version allows for outdoor use. The scoreboard is supplied with a universal mounting bracket.



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# 45 mm Display Description

## DISPLAY CHARACTERISTICS

Character Height	45 mm
Number of digits	6
Resolution	Seven segments plus colon and decimal point
Technology	Transflective positive TN LCD
Designator	Permanent label sticker (eg. kg, t, rpm, °C, pH)
Backlight	Yes; amber LEDs

## MECHANICAL

Size casing	244 mm x 109 mm x 22 mm (w x h x d) (w/o connector)
Size inc. bracket	256 mm x 118 mm x 22 mm (w x h x d)
Materials	0,7 mm stainless steel, AR coated front
Protection	IP40; optional sealed electronics, guaranteed for unprotected outdoor use and hose down washing (IP65).
Operating temp.	-10°C to +60°C (intermittent up to +70°C)
Weight	0,8 kg net; 1 kg shipping (IP65 1,0 kg net; 1,2 kg shipping)

## ELECTRONICS

Interface, standard	RS-232, RS-422/RS-485 input and 20 mA Current Loop field selectable Baud rates: 1200-19200 with 7 or 8 databits; even, odd or no parity
Optional interface	Analoge inputs, fieldbus interfaces, counters
Power requirements	24 VDC typically 60 mA with backlight or 12 VDC typically 5 mA without backlight
Termination	9-pin male d-sub on the back; mating connector is DB9F

## 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 november 2005.
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DIMENSIONS (in metric millimetres)

