LS 40

Quasi-analogue bar graph meters 96 x 24 mm

Bar graph displays serve to display measurement signals visually. It is generally possible to connect sensors directly, or via measuring transducers. Depending on the visual resolution of the values to be displayed, bar graph displays are subdivided into trend indicators, overview indicators, and measuring instruments..

All measured values at a glance

- Electronic panel-mounted measuring instrument with LED light bar
- 41 individual LEDs
- Measuring range adjustable via DIP switches
- ± 25 % range adjustment for all measuring ranges
- LED colours freely selectable
- Dot or bar display selectable
- Brightness setting via adjustable voltage
- Over range display via flashing LEDs
- Horizontal or vertical installation possible
- Installable in any location, vibration-resistant
- Front dimensions: 96 x 24 mm to DIN 43718
- Installation depth: 84 mm

Regulations and standards

Our bar graph displays comply with the regulations defined by the European Directives 73/23/EEC and 89/336/EEC, as verified by compliance with the following standards:
DIN/IEC 61 554 (housing)
IEC/EN 61 010-1:2001, VDE 0411 Part 1 (safety regulations)
IEC/EN 61 326-1/+A1 (interference resistance)
IEC/EN 61 326-1/+A1 (emitted interference)
EN 60 529 (protection class)

Technical characteristics – LS 40 bar graph displays

Analogue bar graph display

Type	41 bar LEDs (2x5 mm)
Light colour	Red (other colours available on request)
Over range display	Flashing
Resolution	2,5 %

Scale

Format	96 x 24 mm, vertical or horizontal
Scale length	Approximately 80 mm
Scale colour	Black or white

Measuring ranges

DC voltage	0...150 mV to 0...200 V DC Input resistance 50 kΩ/V
DC current	0...20 mA, 4...20 mA DC Voltage drop via shunt: 200 mV

Supply voltage	5 V DC, not galvanically isolated 24 V DC
Working temperature	0 to 50 °C
Storage temperature	–20 to +70 °C
Current consumption	Max. 250 mA with bar display, max. 50 mA with dot display
Installation dimensions	$91^{-0.5}$ x $22{,}5^{-0.3}$ mm
Housing	Closed, black thermoplastic
Scale faceplate	Black plastic