

1/8 DIN Bargraph Process displays BAR-A & BAR-X



Input Ranges (To be requested at time of ordering)
 4-20 mA, 0-20 mA, 0-10 mA, 1-5V, 0-10V, -5 to +5V

Accuracy
 Of range.....0.5%, +/-1 segment at 25 Deg.C
 Resolution.....1 in 30
 Temperature coefficient of Input100 ppm/°C
 Warmup time1 minute
 Excitation output.....15V +/-20%, current limited to 30 mA

Display
 Format.....30 segments, red or green LED ,with power-on indicator
 Scale length75 mm

Alarm Outputs (on BAR-X only)
 Format.....HI-LO (default) ,HI-HI, LO-LO or pump control
 Annunciation.....Red LED illuminates when relay de-energises
 Output.....Changeover, form C, rated 5A, 250VAC, resistive
 Hysteresis.....+/-1% of range

Power SUPPLY CHOICES

24 VAC	+/-10%	Option	'24A'
48 VAC	+/-10%	Option	'48A'
110 VAC	+/-10%	Option	'110A'
230 VAC	+/-10%	Option	'230A'
11-30 VDC		Option	'11-30D'
5 VDC	+/-10%	Option	'5D'
Power consumption nominally			3 VA

Noise Rejection

CMRR70 dB from DC to 450 Hz
 NMRR55 dB at 50 or 60 Hz

Dimensions

Display Bezel1/8 DIN ,96 x 48 mm
 Panel Cutout92 x 45 mm
 Depth behind panel, including connectors125 mm
 Max. width behind panel110 mm
 Weight300 g

Environmental Limits

Storage temperature-40 to 85°C
 Operating temperature0 to 50°C
 Humidity0 to 85 %RH non condensing
 Sealing.....Front =IP54 Standard, IP67 with optional cover, part SPC4

Case

Material94V-1,UL Rated Noryl

We also manufacture bargraphs in 144 x 38 mm format, model BAR-50.

Please contact our sales office for up to date details.

- Low cost *
- Red (std.)or Green LED option *
- Dot or Bar format *
- Excitation supply included *
- Simple to install *
- Detachable coded screw terminals *
- High noise immunity *



DESCRIPTION

An economical and versatile process indicating bargraph, with 15V DC Excitation supply. We offer 2 models, the BAR-A is a display-only version, the BAR-X has 2 alarm relays.

The display can be set with a moving dot or accumulating bar format, to suit position monitoring or tank level indication.

And, you can mount the display horizontally or vertically to suit different applications.

To scale and identify the readout, we will print scale labels for you ,free of charge.

The Alarms on the BAR-X model have Failsafe (de-energise on trip) changeover relay outputs, with an LED to show relay status. The alarms are supplied as HI-LO format, but can easily be altered to HI-HI or LO- LO. There 's also a 'pump-control ' mode, where the low alarm will latch, and will only reset when the input exceeds the high alarm limit.

These bargraphs are designed to be highly immune to Electro-Magnetic interference.

For ease of use, reliability, quality of appearance and value-for-money, London is a clear winning choice.

Ordering Guide:

Display format H = Horizontal V = Vertical _____

Supply Voltage 24A 48A 110A 230A 11-30D 5D _____

Input range, scale calibration, and units of measure _____

BAR-A or **BAR-X** - [] - [] - []



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