

Process Bargraphs - Model BAR-A and BAR-X



- Get an instant idea of 'How Much'
- Simple to install and commission
- Clear Plain English operating manuals
- Internal 24V supply to power sensor
- Slow / Fast response
- Dot / Bar format
- Vertical / Horizontal

Operating manuals and more technical detail available at <http://london-electronics.com>

Input Ranges

4-20mA, 0-20mA, 0-10mA, 1-5V, 0-10V, -5 to +5V

Accuracy

Of range..... 0.5% ,+/- 1 segment at 25 Deg. C

Resolution.....1 in 30

Excitation output..... 24V +/- 10%, current limited to 30mA

Display

Format.....30 segments, red or green LED

Scale length 75 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

95-265 V AC wide range switch-mode supply - standard

11-30 V DC wide range switch-mode supply - optional

Power consumption.....Around 3 VA

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

Environmental Limits

Storage temperature-40 to 85 °C

Operating temperature 0 to 50 °C

Humidity 0 to 85 % RH non condensing

Sealing.....Front = IP54 Standard, IP67 with optional SPC4

Case

Material94V-1, UL Rated Noryl

We also make bargraphs in 144 x 38mm format, model BAR-50. and with 250mm scale length, model PRO-BAR.

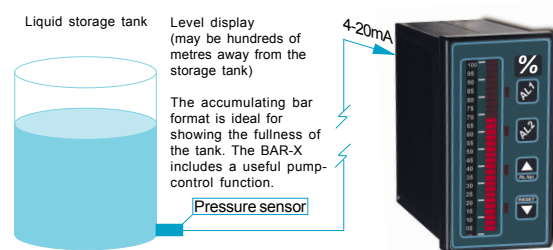
Bargraph displays are ideal if you want to know the 'fullness' of a tank, 'hotness' of a process etc. Use them in applications where you want to be able to know, at a glance, the relative value of a variable. Similar in principal to moving pointer displays, yet more reliable and robust because they have no moving parts.

Choose from 2 models:

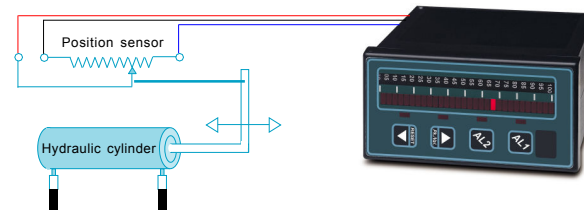
- The BAR-A is a display-only version
- The BAR-X has 2 alarm relays.

These displays can be set with a moving dot or accumulating bar format, to suit such applications as position monitoring or tank level indication.

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



Position display. The moving dot format is better for this type of application



To scale and identify the readout, we offer to print customised 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 you can easily set HI-HI or LO-LO.

There is also a 'pump-control' mode available as standard, where the low alarm will latch, and will only reset when the input exceeds the high alarm limit.

Ordering Code:

BAR

A - display only
X - display + 2 alarms

Input signal eg 4-20mA

Scale and units, eg 0-100 Bar

95-265 VAC - Suitable for 110/230 VAC
11-30 VDC - Suitable for 12/24 VDC

Extras, such as **SPC4**. Enter **0** if not needed