



The **BA528E loop powered 4/20mA indicator** is a fourth generation instrument that is electrically and mechanically compatible with the earlier BA528C, but has a much larger full 5 digit display plus a 31 segment analogue bargraph providing maximum visibility from a 144 x 72mm instrument. The new model has guaranteed performance between -40°C & $+70^{\circ}\text{C}$ and an even shorter enclosure depth than its predecessor. The scale card can easily be marked to show the units of measurement and can be installed on-site without dismantling the indicator enclosure or removing the indicator from the panel. If the units of measurement are not specified when the indicator is ordered, a blank scale card will be fitted.

The **main application** of the BA528E is to display a measured variable in meaningful engineering units within a process area. The zero and span of the display are independently adjustable allowing the indicator to be calibrated to display any linear variable represented by the 4/20mA signal. A root extractor and an adjustable sixteen segment lineariser enables the indicator to display flow and tank level variables in linear engineering units. For weighing applications a tare function is included.

The **bold 29mm high 5 digit display** and 31 segment bargraph provide maximum contrast and have a very wide viewing angle, allowing the BA528E indicator to be read easily in most lighting conditions. An optional factory fitted backlight is available for applications in poorly illuminated areas. The five digits, with four decimal points and a negative sign, may be configured to display any variable between -99999 and 99999 .

IP66 front panel protection and a neoprene gasket to seal the joint between the indicator and the panel, making the

instrument suitable for use in areas that will be cleaned with a hose. To simplify installation and maintenance, the indicator has a removable terminal block allowing panel wiring to be completed before the BA528E indicator is installed.

A Backlight which may be loop or separately powered is available as a factory fitted option. It provides green background illumination allowing the display to be read at night or in poorly illuminated areas. When powered from the 4/20mA loop no additional field wiring is required. Powering from a separate supply produces a brighter backlight but requires additional field wiring.

Optional alarm outputs which can switch low power loads such as sounders, beacons and solenoid valves are available as a factory fitted option. The two galvanically isolated solid state outputs may be independently conditioned as high or low alarms with normally open or closed outputs. Annunciators on the display show the status of each output.

Reliability is ensured by component conformal coating, protection from incorrect connection and radio frequency interference. The indicator has been subjected to vibration testing and is supported by a three year guarantee.

Other models in this range include the BA508E which has a similar specification with four even larger 34mm high digits without a bargraph.

If flammable atmospheres are present the BA328E should be used. This has the same features as the BA528E but has been certified for use in hazardous areas.

BA528E

2-wire 4/20mA 5 digit indicator

General purpose

- ◆ Loop powered only
1.2V drop
- ◆ 5 digit 29mm high display & 31 segment bargraph.
- ◆ Optional backlight & alarms
- ◆ Easy on-site scale card installation
- ◆ IP66 front
- ◆ Root extractor and 16 segment lineariser
- ◆ 144 x 72mm DIN enclosure
- ◆ 3 year guarantee

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