

# The BA304G-SS-PM loop powered 4/20mA indicator is an intrinsically safe panel mounting instrument with a large 4 digit display. It has a rugged, impact resistant IP66 stainless steel front allowing it to be safely mounted in an Ex e, Ex p or Ex t panel enclosure.

**International** intrinsic safety gas and dust certification permit world wide installation. The 4/20mA input terminals comply with the requirements for *simple apparatus* which, together with the low voltage drop, allow the indicator to be connected in series with most intrinsically safe 4/20mA loops.

of Main application the BA304G-SS-PM is to display a measured variable in engineering units when mounted in an Ex e, Ex p or Ex t panel enclosure or cubicle. The front of the indicator has IECEx, ATEX and UKEX impact and ingress certification allowing it to be installed in a certified panel enclosure without invalidating the enclosure's certification. The rugged front and IP66 protection also make the indicator ideal for intrinsically safe applications in marine environments or where the front of the instrument is likely to be impacted.

The large 34mm high 4 digit display provides maximum contrast and has a very wide viewing angle, thus the BA304G-SS-PM indicator is easily read in most lighting conditions. An optional backlight is available for installations in poorly illuminated areas. The four digits, with three decimal points and a negative sign, may be configured to display any variable between -9999 and 9999.

Display backlighting 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 intrinsically safe interface or wiring is required and the indicator input remains compliant with the requirements for simple apparatus. Powering from a separate supply produces a slightly brighter backlight but requires an additional intrinsically safe interface.

**Optional dual alarm outputs** which can switch hazardous or safe area loads, such as sounders, beacons or 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 both alarms.

The scale card which shows units of measurement and tag information slides into an internal slot and can easily be changed on-site. New instruments can be supplied with the scale card printed to show customer specified information for no additional charge, if this is not requested a blank card is fitted which can easily be marked on-site.

#### A Zener barrier or galvanic isolator is not required when the indicator is installed in an Ex pxb, Ex pzc or Ex t panel enclosure. See Application Guide AG300 for details.

# BA304G-SS-PM 2-wire 4/20mA 4 digit indicator

Intrinsically safe for use in Ex e, Ex p or Ex t panel enclosures and in harsh environments.

- IP66 stainless steel indicator front maintains Ex e, Ex p or Ex t panel enclosure certification.
- Intrinsically safe
- Loop powered only 1.2V drop.
- 4 digit 34mm high display
- Optional backlight & alarms.
- Root extractor, lineariser and tare function.
- Easy scale card installation on-site.
- 3 year guarantee

# beka.co.uk/ba304g-ss-pm





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### **SPECIFICATION**

## **DIMENSIONS (mm)**

