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<http://www.beka.co.uk/>

New pulse input rate totalisers for hazardous & safe areas

BEKA associates have introduced a range of externally powered rate totalisers which accept inputs from a wide range of pulse output flowmeters. Flow rate and total flow are displayed simultaneously and may be in the same, or in different units of measurement.

The range includes panel and field mounting models for use in both safe and hazardous areas. The intrinsically safe models have ATEX Group II Category 1G (EEx ia IIC T5) certification. For applications in lower risk Zone 2 hazardous areas, a field mounting model is available with EEx nL certification which reduces installation cost by eliminating the need for Zener barriers or galvanic isolators. All the models can be programmed on-site to operate with a voltage pulse, magnetic pick-off, switch contact or a 2-wire NAMUR proximity detector input.

The field mounting models have a robust IP66 GRP enclosure with a separate terminal compartment. Control push-buttons are located behind a sealed cover, but for applications requiring frequent adjustment, instruments can be supplied with a robust external membrane keypad.

The two panel mounting models are housed in 144 x 72mm DIN enclosures which are only 84mm deep allowing installation in shallow cabinets. These instruments have IP65 front panel protection, and a gasket seals the joint between the instrument enclosure and the panel. Control and calibration is performed via four front panel push-buttons which may be protected from tampering or accidental adjustment by a user definable four digit security code.

Accessories include rate and total alarms, a pulse output and a 4/20mA output. All are isolated and have been certified as separate intrinsically safe circuits. An optional display backlight may be fitted to instruments which are to be installed in poorly illuminated areas.

All five models, including those with intrinsically safe and Type n certification, are guaranteed for three years and are now available from stock. Instruments are supplied calibrated to customers' requirements free of charge.

A comprehensive Application Guide AG334 may be down loaded from the BEKA associates web site at www.beka.co.uk or is available free of charge from the BEKA sales office on 01462 438301

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