

# B-Smart

## Basic - Flow rate Indicator / Totalizer with pulse and analog output



### Features

- Compact design.
- Displays instantaneous flow rate, total and accumulated total.
- Durable IP65 (Type 4X) field, wall or meter mount enclosure.
- One 20mm (0.79") and two 16mm(0.63") knock-out hole cable entries.
- "Know one, know them all" configuration structure.
- Easy reading and programming with clear alphanumeric display.
- Clear 12mm(0.5") numeric digits and 7mm(0.3") alphanumeric digits.
- Bright LED backlight.
- Auto backup of settings and running totals.
- Lithium AA battery, loop powered and 10 - 30V DC power supply.
- Sensor supply: 8.2V DC.
- Easy configurable via PC with free downloadable remote configuration tool and special communication cable (ACE02).
- Various accessories are available for this product.

## Product description

The B-Smart flow transmitter is the most popular model in our B-Series. The display shows flow rate, total and accumulated total. The scaled pulse output re-transmits the accumulated total. The analog output re-transmits the flow rate. On-screen engineering units are easily configured from a comprehensive selection.

## Advantages

- Basic flow measurement where re-transmission of the flow rate and/or totalizer functions is required.
- The B-Series is our most cost effective display but with all the benefits you may expect from a Fluidwell product: It's durable, reliable and very easy to operate. Basic with a capital B!
- Familiar easy operation with the Fluidwell "Know one, know them all" configuration structure,

saving time, cost and aggravation.

## Applications

- Basic flow measurement where re-transmission of the flow rate and/or totalizer functions is required.
- The B-series offers you an economical solution for common industrial applications. Nothing more, nothing less.

## Product specifications

### Signal Inputs

#### Flowmeter Inputs

- Basic types of flowmeter signals: Namur, Reed-switch, NPN, PNP and Sine wave (coil).

### Supply

#### Power Supply

- A single 3,6V lithium AA battery.
- 10 – 30V DC.
- 4 – 20mA Output loop-powered.

#### Sensor Supply

- 8.2V DC.

### Signal Outputs

#### Pulse outputs

- Function: Scaled pulse output according to accumulated total (e.g. a pulse every 3.25 gallons).  
Frequency: User selectable: Off, Long (5Hz/100msec), Intermediate (33Hz/15ms), Short (100Hz/5msec).
- Type: One passive transistor output (NPN) - not isolated.

#### Alarm outputs

- None.

#### Analog outputs

- Function: Re-transmitting the flow rate - the output can be scaled to any range (e.g. 200 L/min to 1200 L/min).
- Type: One loop powered 4 – 20mA output.

#### Control outputs

- None.

### Hazardous Area

#### Intrinsically Safe

- For Intrinsically Safe applications we recommend the F-Series.

#### Explosion Proof

- For Explosion Proof applications we recommend the E-Series.

### Communication

- Modbus communication available on the B-Connected.
- HART communication is available with the F018 Flow rate Monitor / Totalizer.



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We're happy to answer any questions about our products and services.  
Just send us an email or give us a call.