

## Bristol® 3808 MVT Smart Multivariable Transmitter

Designed by Emerson Process Management to be the ideal transmitter for all metering and remote site management applications.

### Features

- Very low power consumption, typically 1 mA at 5 Vdc, is perfect for remote sites
- High reference accuracy for DP and pressure measurements:  $\pm 0.075\%$  URL
- Excellent DP and pressure measurement over operating temperature:  $\pm 0.21\%$  URL over  $60^\circ\text{C}$  ( $108^\circ\text{F}$ ) combined zero and span effects
- Excellent DP performance over operating pressure:  $\pm 0.1\%$  URL zero effect  
 $\pm 0.1\%$  Reading span effect over 1000 psi
- Excellent temperature measurement  $\pm 0.1^\circ\text{C}$
- Approved for operation in hazardous areas – Intrinsically safe, explosion proof and non-incendive for Class I, Division 1 and Division 2 installations

### Communication and I/O

- Two versions: Digital, RS 232/ RS 485 or Analog Output with FSK
- Two-wire RS 485 network at 19.2K baud allows sampling of all live variables for 6 transmitters once per second - meets API-21
- Bilingual BSAP and Modbus protocol operation
- Optional  $4\frac{1}{2}$  digit LCD with low power, continuous service



*The Bristol® 3808 MVT P/T from Emerson Process Management version excels in applications such as ultrasonic meters, for which both pressure and temperature measurements are very important.*



*The Bristol 3808 MVT with DP/P/T measurement is ideal for custody transfer meter stations using orifice meters.*

## Product Overview

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