

Model 2110F for Flow Indication of DP Primary Elements



Meriam Instrument's 2110F Smart Gauge is a microprocessor based, programmable, differential pressure sensing device designed to display flow rate when used with a head loss type flow element such as Accutube® averaging pitot tubes, orifice plates or Meriam Instrument's laminar flow elements. The piezoresistive differential pressure sensors are available in three ranges assuring the best accuracy and resolution for an application. The unit calculates flow rate by measuring the DP and using it in algorithms with flow coefficients entered into the unit by the user. All units can be configured through the front keypad. The AC powered and 4 to 20 mA units can also be configured through the RS-232C serial communications port.

SPDT relays on AC powered units and the 4 to 20 mA output on the transmitter models make the 2110F an ideal choice for many control and recording functions. Both models also have RS-232C communications for additional control and data logging capabilities. Typical applications include use as a LFE test bench gauge, air compressor usage monitoring and leak testing.

- Engineering Units: Pounds, cubic feet, liters, percent, kilograms, cubic meters, in. H₂O and user defined units. Minutes or hours time constant can also be displayed
- Range:
DN: Different Non-isolated 20", 200", 2000" H₂O

Sensor Type:

DN0020 0-20" H₂O
DN0200 0-200" H₂O
DN2000 0-2000" H₂O

Mounting options:

01 Panel Mount (standard)
02 2" Pipe Mount
03 Portable Handle / Bench Stand

Power/Output options

1 110/220 VAC, 24 VDC/RS-232C, and SPDT Relays (Standard)
2 Batteries / No Outputs
3 24 VDC /4-20 mA, RS-232C
4 Batteries w/I.S. approval
5 Batteries w/CE approval
6 Code 3 w/CE approval
7 24 VDC/ 1-5 VDC, RS-232C, CE approval

Example: 2110F with 20" H₂O Differential Panel mount and 4 to 20 output 2110F DN0020 01 3