

FPOD-RS-xx-OC-I-HART(FIELDBUS)-EXD

Hazardous Area approved Instrument with Flow rate/Accumulated flow display and linearisation.

Instrument: F-POD	The head mounted F-Pod instrument provides local display indication of flow rate and total with either a scaled 4-20mA output with HART or Fieldbus protocol on a three wire 24Vdc powered system (3/4" NPT connection). In addition there are two flow alarm transistor relays. A transistor frequency output can also be provided.
Power	12 to 40 Vdc
Standard Flow Meter Input: RS	Reed Switch
Linearisation: xx , (no. of points)	Flow meter signal input, up to 32 points of linear interpolation Organised as Frequency verses Flowrate.
Input Frequency Range	1 to 4000 Hertz (Low frequency range - 0.01 Hz) Minimum is 1 pulse per 800 seconds.
Zero Cut-off	Programmable from 0 to 3.5 seconds
Frequency: OC (std),	Linearised frequency - full scale frequency range 50 to 4800 Hz NPN Open Collector; The output will be a scaled pulse. Impedance: < 2.2 kOhms
Analogue: I (std)	4-20mA, linearised, scaled for flowrate (not available with Fieldbus option) zero offset < 10 µA
Flow alarm signal	Two flow alarm outputs
HART or FOUNDATION FIELDBUS HART, FF1, FF2	HART: 2 wire, readable output FF1: 2 wire, readable output FF2: 2 wire, two way communication (using FINT fieldbus technology)
Environment	Enclosure Rating: -20 to +55°C Storage: -55 to + 125 °C Humidity: 0 to 85 % RH non-condensing
Enclosure: EXD	The instrument is housed in an IPW66 Eexd enclosure certified by ATEX/INMETRO Brazil to Ex d [ia] IIC T6/T5 IP66 CESI 01 ATEX 036
Dimensions	150mm x 150mm x 130mm Head or remote mounted Eexd Enclosure with 90mm Window. See Drawing reference C6007
Electrical Connections	Single 3/4" NPT female thread – No gland or cabling supplied
CE Approval	EN50081-1, EN50082-1, EN61010

