FlowPod EX-Rated Flow Transmitter with Display

Common Uses

The FlowPod is Litre Meter's display unit, designed alongside the VFF Rotary Piston Flow Meter. The FlowPod comes in a compact and lightweight, flame-proof Stainless Steel enclosure that is only 3.35 inches in diameter and weighs only 3.5 pounds.

It is ideal for offshore and all Hazardous area applications and is supplied with one 316L Exd plug and one plastic plug.

Technical Specifications

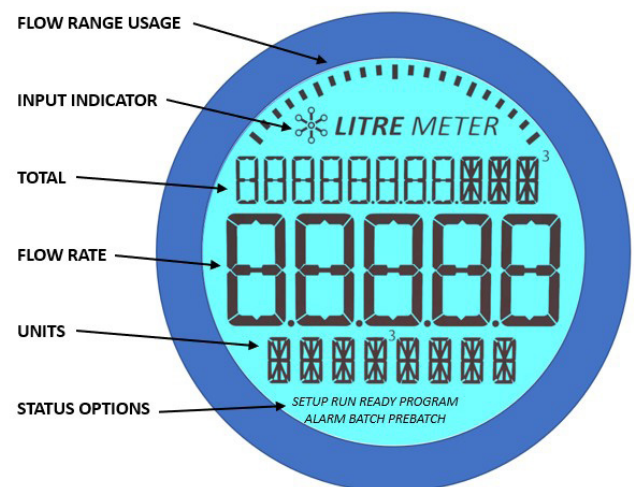| Approvals		
ATEX Sira 15ATEX1190X	II 2 G D Ex db IIC T5	Ex tb IIIC 80 °C Tamb = -40°C to +75°C
IECEx SIR 15.0066X	Ex db IIC T5 Ex tb IIIC 80°C	Tamb = -40°C to +75°C
CSA CLASS 2258 02 PROCESS CONTROL EQUIPMENT For Hazardous Locations	Class I, Div 1, Groups B, C, D; Class II, Div 1, Groups E, F, G; Class III, Div 1	Ex d IIC T5 Gb Ex tb IIIC T80°C Db Tamb = -40°C to +75°C IP66/IP68 (2m)
CLASS 2258 82 PROCESS CONTROL EQUIPMENT For Hazardous Locations Certified to US Standards	Class I, Div 1, Groups B, C, D; Class II, Div 1, Groups E, F, G; Class III, Div 1	Class I, Zone 1, AEx d IIC T5 Gb Zone 21 AEx t IIIC T5 Db Tamb = -40°C to +75°C IP66/IP68 (2m)

Communication	Hart 7
Outputs	4-20mA Pulse out
Power	12 – 30 Vdc
Housing	316 Stainless Steel - IP66/68 Dual Certified

Features:
- Large flow rate indication and totalizer digits
- Memory card for quick programming and calibration
- Data logging capability
- Rotatable through 360° for optimised viewing angle
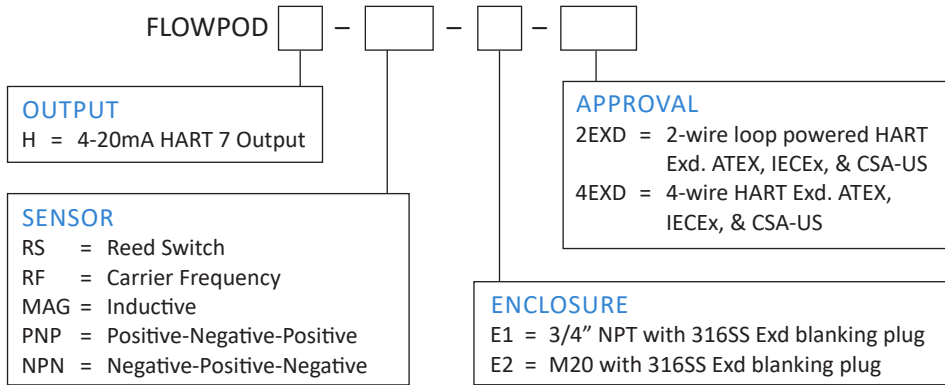- Multiple measurement units
- 2 wire or 4 wire
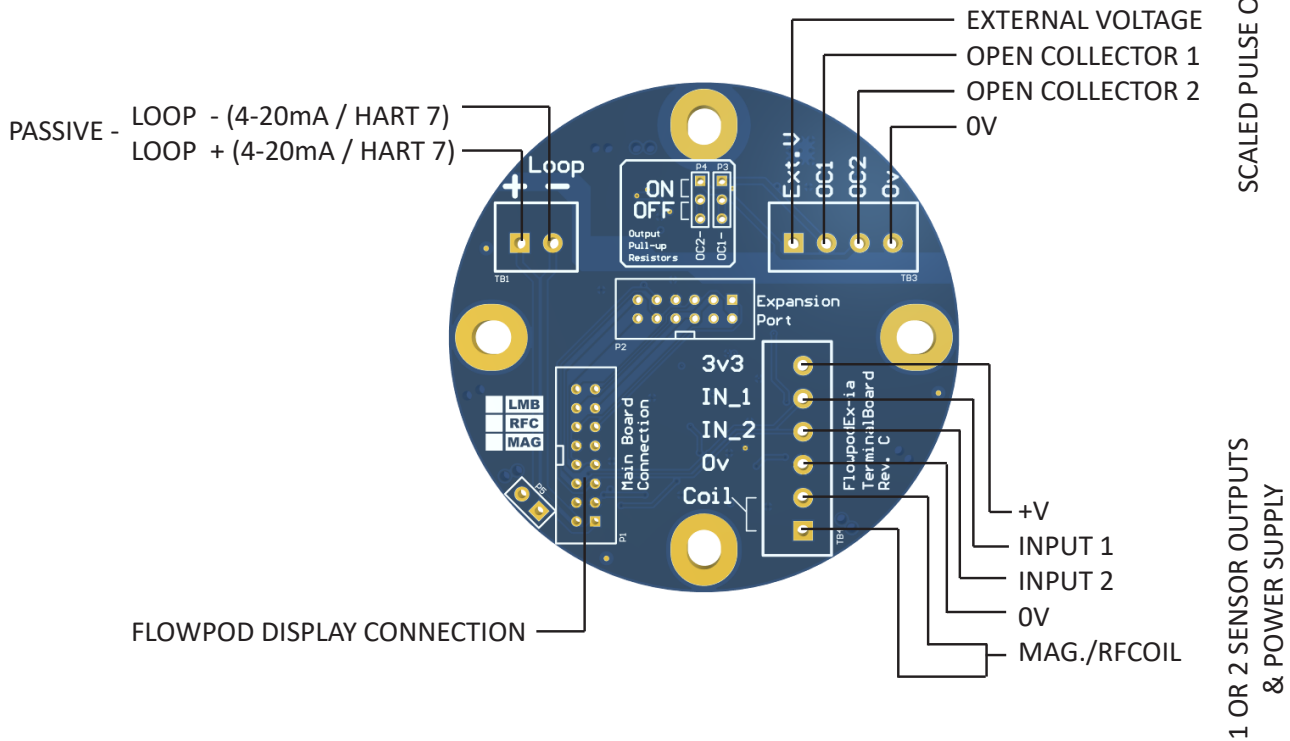
High Contrast Display

FLOW RANGE USAGE
INPUT INDICATOR
TOTAL
FLOW RATE
UNITS
STATUS OPTIONS

SETUP RUN READY PROGRAM
ALARM BATCH PREBATCH

AW-LAKE
PROCESS FLOW MEASUREMENT

FlowPod EX-Rated Flow Transmitter with Display

Part Number Guide

FLOWPOD ☐ – ☐ – ☐ – ☐

OUTPUT
H = 4-20mA HART 7 Output

SENSOR
RS = Reed Switch
RF = Carrier Frequency
MAG = Inductive
PNP = Positive-Negative-Positive
NPN = Negative-Positive-Negative

APPROVAL
2EXD = 2-wire loop powered HART
Exd. ATEX, IECEx, & CSA-US
4EXD = 4-wire HART Exd. ATEX,
IECEx, & CSA-US

ENCLOSURE
E1 = 3/4" NPT with 316SS Exd blanking plug
E2 = M20 with 316SS Exd blanking plug

Terminal Board*

PASSIVE -
LOOP - (4-20mA / HART 7)
LOOP + (4-20mA / HART 7)

EXTERNAL VOLTAGE
OPEN COLLECTOR 1
OPEN COLLECTOR 2
0V

SCALED PULSE OUTPUT

FLOWPOD DISPLAY CONNECTION

+V
INPUT 1
INPUT 2
0V
MAG./RFCOIL

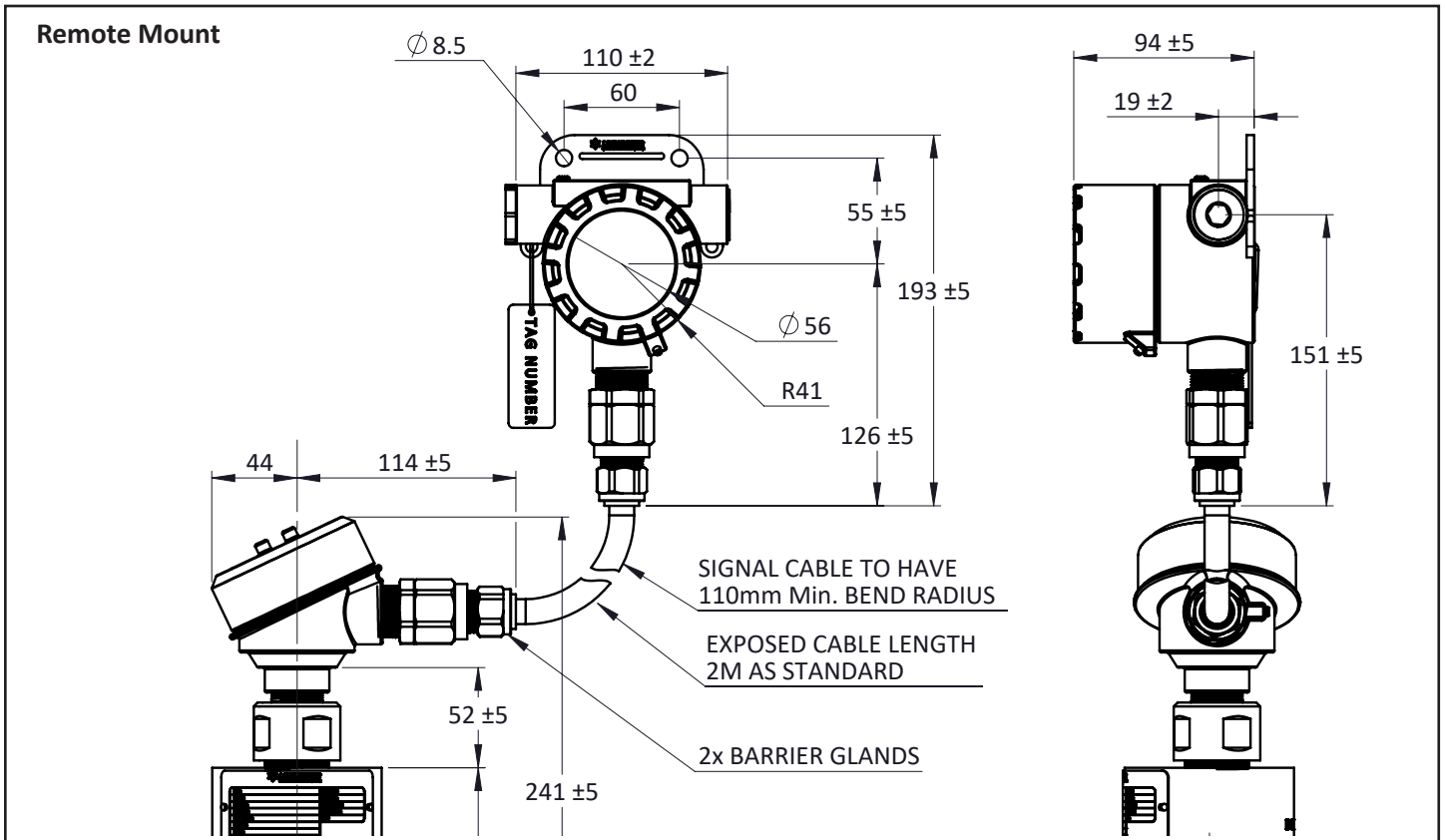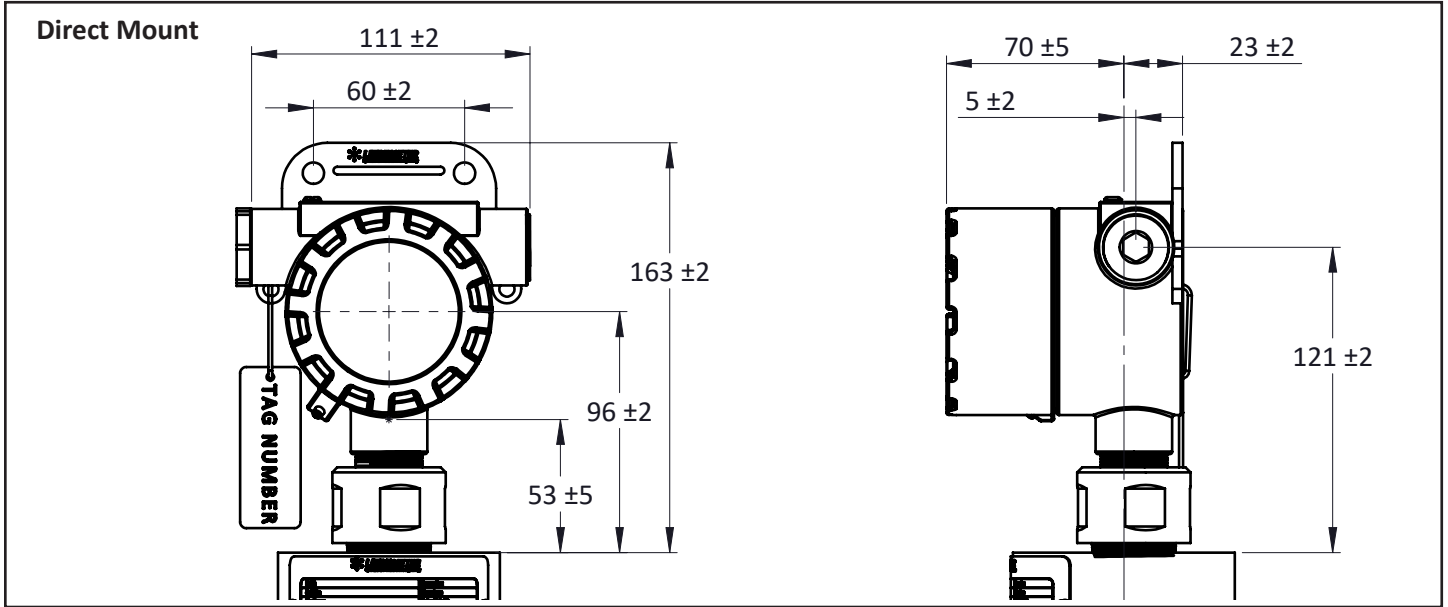1 OR 2 SENSOR OUTPUTS & POWER SUPPLY

*For full wiring diagram please see user manual

Products may be subject to change without notice.
Contact factory for the most up-to-date product information.

FlowPod EX-Rated Flow Transmitter with Display

Dimensions (mm)

Direct Mount

111 ±2
60 ±2
163 ±2
96 ±2
53 ±5
TAG NUMBER

70 ±5   23 ±2
5 ±2
121 ±2

Remote Mount

⌀ 8.5
110 ±2
60
55 ±5
193 ±5
⌀ 56
R41
126 ±5
TAG NUMBER

44   114 ±5
SIGNAL CABLE TO HAVE
110mm Min. BEND RADIUS

EXPOSED CABLE LENGTH
2M AS STANDARD

2x BARRIER GLANDS

52 ±5
241 ±5

94 ±5
19 ±2
151 ±5

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