

02047

Automatic float gauge with integrated level transmitter

- High pressure float gauge for service up to 2 M Pa (20 bar)
- High level accuracy (+/- 1 mm) with integrated multifunction transmitter
- Measuring range : 25 metres
- Roof reading installation
- Ambient operating temperature : -40 °C to +85 °C
- Gauge head alone can be used to retrofit existing installation

-Gauge head with two fully separated compartments :

1. Product compartment, subject to tank vapour, gives access to:
 - Magnetic sprocket wheel
 - Cartridge including: (tape drum, negator spring with drum)
 - Accurate perforated tape
2. Flameproof compartment containing :
 - Encoder with magnetic coupling
 - Electronic circuitry with built in transmitter and I.S. barriers
 - Display with 8 Alphanumeric characters

General specification :

Standard input for:

- External spot temperature element.
- External intrinsically safe pressure transducer.

Optional input for:

- Up to 16 spots for averaging temperature measurement, and up to three pressure transducers when connected through an I.S. RS485 loop to our 01645- device.

Options available:

- Two independant and redundant data loops
- Four NO or NC alarm switch from relays

Communication :

- Up to two independent and redundant field bus
- Optional lightning protection
- Many types of field bus protocol available



Construction:

- Body, Sprocket wheel, drum and perforated tape: Stainless steel
- Protection : IP 65

Certification :

CENELEC approval: n° INERIS 96.D 5025 X
ATEX Approval
Category: Ex II 2(1)G
Marking: EEx d [ia] IIB T6
INERIS 03 ATEX 0207X
Compliant to : Low Voltage Directive 73 / 23 / EEC
and Electro Magnetic compatibility 89/392/EEC

Note:

When supplied as a complete system including (01645 & /or 01608)
Category: Ex II 2(1)G
Marking EEx SYST (ia IIB T5)
INERIS 03 ATEX 0065 X

Fittings :

- Datum chamber in steel
- Magnetic link and floats
- Various type of floats

Dimensions : 500 x 410 x 280

Net Weight : 39 kg

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Ordering code

Model	Product description
02047	Land high pressure float gauge / transmitter
	Code A Cable Entry / Type of Flange
1	ROOF READING with Hand Crank, Threaded to fit 5 x 3/4" NPT cable entries, 1"1/2 ASA 300lbs Raised Face Steel Flange Stock Finish
2	ROOF READING with Hand Crank, Threaded to fit 5 x M20x150 cable entries, 1"1/2 ASA 300lbs Raised Face Steel Flange Stock Finish
3	ROOF READING with Hand Crank, Threaded to fit 5 x 3/4" NPT cable entries, 2" ASA 300lbs Raised Face Stainless Steel Flange Stock Finish
4	ROOF READING with Hand Crank, Threaded to fit 5 x M20x150 cable entries, 2" ASA 300lbs Raised Face Stainless Steel Flange Stock Finish
	Code B Gasket Type
1	Viton FKM (Butadiene, Propylene)
2	Nitrile NBR (Butane, Propane, Ammonia)
	Code C Primary Communication
1	Field Bus Current Loop 20mA WHESSMATIC 550 Protocol
2	Field Bus Current Loop 20mA WHESSMATIC 660 Protocol
3	Field Bus EIA-485 WHESSMATIC 550 Protocol
4	Field Bus EIA-485 WHESSMATIC 660 Protocol
	Code D Secondary Communication
0	No Secondary communication
1	Field Bus Current Loop 20mA WHESSMATIC 550 Protocol
2	Field Bus Current Loop 20mA WHESSMATIC 660 Protocol
3	Field Bus EIA-485 WHESSMATIC 550 Protocol
4	Field Bus EIA-485 WHESSMATIC 660 Protocol
5	MARK SPACE 4 wires 1800/1900 Protocol
6	MARK SPACE MATRIX 1600/1700 Protocol
7	V1 Protocol + 4/20mA Analogue Output
8	Analog 4/20mA LEVEL OUTPUT with external power supply
	Code E Power Supply / Lightning Protection
0	15/50 VDC / Without lightning protection
1	115 VAC / Without lightning protection
2	240 VAC / Without lightning protection
3	15/50 VDC / With lightning protection
4	115 VAC / With lightning protection
5	240 VAC / With lightning protection
	Code F Local Bus / Alarm Output
0	No Local Bus / No Alarm Outputs
1	No Local Bus / WITH 4 x Alarm relays , NO , NC Software Programmable
2	EIA-485 I.S. Local Bus / No Alarm Outputs
3	EIA-485 I.S. Local Bus / WITH 4 x Alarm relays , NO , NC Software Programmable

Ordering code (to be continued on the following page)

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Ordering code (continued)

Code G	Spot Temperature Measurement
0	None
1	1 x flame proof (explosion proof) RTD Input(Pt100 3 or 4 wires)
2	1 x intrinsically safe RTD Input (Pt 100 4 wires)
Code H	Installation Kit
1	None : replacement of existing gauge head
2	Magnetic link, PVC Float 600x420 mm, Guidewire Installation
3	Magnetic link, Stainless Steel, quadruple spherical float, guide wire installation Code H, option 2 & 3 need J = 1 or 2 or 4 or 5
Code I	Approval
1	CENELEC N° INERIS 96.D 5025 X
Code J	Steel 2" Datum Chamber and Steel 2" Ball Valve
0	None
1	Datum Housing Viton Seal FKM (Butadiene, Propylene)
2	Datum Housing Nitrile Seal NBR (Butane, Propane, Ammonia)
3	Ball Valve ANSI 300# RF
4	Ball Valve ANSI 300# RF & Datum Housing Viton Seal FKM Butadiene, Propylene
5	Ball Valve ANSI 300# RF & Datum Housing NBR Seal Butane, Propane, Ammonia

Choose options to complete the product ordering code

Example: 020471210532210



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