

01146

- Servo Gauge for Level, Temperature and Density measurement
- Temperature service down to -200°C
- Maximum pressure service 30 K Pa (300 mbar)
- Roof reading unit
- Provides continuous data measurements on all level liquid ranges
- Gauge computes and records up to 250 live values from density and temperature sensors located in the mobile sensing head.
- All datas measured are displayed locally.
- Flange 6" ANSI 150# FF

- Gauge head with two compartments :

1. Product compartment, subject to tank vapour, gives access to:
 - Density and temperature sensing head
 - An accurate perforated tape with multi-wires
 - Tape drum
 - Sprocket wheel
 - High and low motor limit lever
 - Inspection window
2. Flameproof compartment containing :
 - Electronic circuitry with servo motor, I.S. barriers and built in transmitter.
 - Slip-ring unit
 - Display with 8 Alphanumerics characters



Construction:

- Body and internals: aluminium
- Intrinsically safe sensing head: stainless steel
- Perforated tape: stainless steel coated with Tefzel (PTFE)
- Protection : IP 65

Certification :

ATEX approval:

- Category: Ex II 2(1)G
- Marking: EEx d[ia]IIB T6
- INERIS 03ATEX0014 X

Note:

When supplied with the sensor

Category: Ex II (1)/1G

Marking EEx SYST (ia IIB T6)

INERIS 03 ATEX 0061

Compliant to : Low Voltage Directive 73 / 23 / EEC and Electro Magnetic compatibility 89/392/EEC

Dimensions : 650 x 450 x 700 mm

Net Weight : 90 ka

Ordering code

Model	Product Description
01146	Level Temperature Density (LTD) Gauge
Code A Cable gland taping & Flange Machining	
1	3/4" NPT (for 3 cable entries) & FF Flange
2	M20X150 (for 3 cable entries) & FF Flange
3	1" Gas (for 3 cable entries) & FF Flange
4	3/4" NPT (for 3 cable entries) & Flange spiral wound 125 AARH
5	M20x150 (for 3 cable entries) & Flange spiral wound 125 AARH
Code B Communication P.C. Board	
1	20 mA current state loop - Whessmatic 660 protocol
2	RS 485 - Whessmatic 660 protocol
Code C Secondary Communication P.C. board	
1	20 mA current state loop - Whessmatic 660 protocol
2	RS 485 - Whessmatic 660 protocol

Code D		Power Supply	
1		80/152 VAC - 50/60 Hz	
2		160/276 VAC - 50/60 Hz	
Code E		Tank Height (between mounting flange and datum plate)	
0		up to 20 m	
1		From 20,1 m to 30 m	
2		From 30,1 m to 40 m	
3		From 40,1 m to 50 m	
4		From 50,1 m to 65 m	
Code F		Isolating ball valve	
0		None	
1		6" ANSI 150# FF/RF - St St	

Choose options to complete the product ordering code

Example: 01146-12-1141



Isolation ball valve:

The valve can be equipped with a safety device, preventing the valve from being closed while the tape is still in the tank.