

LIQUIDS AND GASES PRESSURE SENSOR "TRITON"



PURPOSE

Measurement of liquids and gases excess pressure value and its conversion into a digital signal. Depending on the version, the measured value is digitally transmitted via one of the interfaces: Meter-Bus (M-Bus) using the standard protocol (EN1434-3), Current Loop or RS-485 Modbus RTU. The gauge has a built-in temperature sensor, which provides the reference information about the temperature of the measured medium.

COMPETITIVE ADVANTAGES

- additional control of the measured medium temperature;
- simplicity of network building;
- high noise immunity and length (up to 1 km) of communication lines;
- simplicity of phased network expansion.



SPECIFICATIONS

Parameter, units	Value		
Model (execution)	Triton M-Bus	Triton Current Loop	Triton RS-485
Range of measured pressure, kPa	from 0 to 1,0		
interface/ Data transfer protocol	M-Bus/ EN1434-3	Current Loop/ 4- 20 mA	RS-485/ Modbus RTU
Max. overload pressure, MPa	1,2	1,6	1,2
Max. overload pressure(not longer than), MPa	1,6	2	1,6
Limit of basic reduced measurement error at ambient temperature plus of (20±5°C), % the upper measurement limit (UML)	±0,5	±0,5	±0,5
Limits of additional reduced error caused by the ambient temperature change for every 20 ° C% of UML	±0,2	±4	±0,2
Current consumption in passive mode, mA, no more	3,0	4,0 ±0,1	3,0
Dimensions, mm (without cable)	Length 85 max; Ø48		
Weight, kg, no more	0,3		