IPM 0499/M2-H

Signal conditioner with HART protocol

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FieldComm Group™ MEMBER

HART COMMUNICATION PROTOCOL

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- ☑ **Universal input**
- ☑ **Galvanic isolation**
- ☑ **Output signal 4…20 mA + HART**
- ☑ **0Ex ia IIC T6 Ga X, 1Ex d IIC T6 Gb X, 1Ex d [ia] IIC T6 Gb X**
- ☑ **Climatic version –60…+80 °C**
- ☑ **Ingress protection ratio IP65**
- ☑ **Various types of cable entries**
- ☑ **Wall mounting or Ø50 mm pipe mounting**

Dear Colleagues,

We have developed a new transducer **IPM 0499/M2-H** that will allow you to perform a number of process automation tasks at production facilities in various fields of industry.

The new device measures signals emitted by resistance temperature detectors (RTD), thermocouples (TC), and any transducers with unified output signals; it displays the measured value on the bright LED display and converts the input signal into a **4…20 mA** and into a **HART** digital signal.

IPM 0499/M2-H (Ø50 mm pipe mounting)

Explosion-proof versions of the device **0Ex ia IIC T6 Ga X, 1Ex d IIC T6 Gb X и 1Ex d [ia] IIC T6 Gb X** are indispensable in the chemical industry, at oil-processing plants, in the gas industry, and at other plants where the following functions are needed:

- measured value display directly in an explosion hazard zone;
- input signal conversion into a 4…20 mA + HART signal;
- data transfer from the explosion hazard zone to the control system.

Main specifications

Number of input/output channels	1/1
Explosion protection class	0Ex ia IIC T6 Ga X, 1Ex d IIC T6 Gb X, 1Ex d [ia] IIC T6 Gb X
Input signal types	50М, 50П, 100М, 100П, Pt100; (J), (L), (K), (S), (B), (A-1), (N); –100…100, 0…75 mV; 0…5, 0…20, 4…20 mA; 0…320 Ohm, 0…10 kOhm
Output signal types	4…20 mA, HART digital signal
Configuration	using the HART protocol
Power	=18…42 V (by current loop)

Several types of cable entries

Russian manufacturer of process control instruments   **www.elemer.ru**