

Digital Indicator for pressure transmitters

EV-101...104

- **Universal Application, all Signal-Inputs**
- **Dimensions 48 x 96 mm**
- **Serial Interface RS485/RS422**
- **CE-marked** (Tested to EN 50081-1 and EN 50082-2)

Universal digital indicator for pressure transmitters. Offers the possibility to process all standard signal-inputs. The RS-485-/422 interface connects the instrument to a PC for data acquisition. Four different models cover all configurations (outputs, switching contacts etc.).

Specifications:

Display Range	-1999...9999	resp.	-19'999...99'999
Signal-Inputs	4...20 mA, 0...20 mA		Ri=5Ohm
	0...±10V		Ri=1 MOhm
	0...±100mV		Ri=10 MOhm
	Different thermocouples as well as PT 100, PT 130, Ni 100		
Supply	90...265Vac, 50 or 60Hz, approx. 10 VA		
Operating-/Storage Temperature	10...50°C/-10...70°C		
Accuracy	± (0,05% + 3 digit)		
Housing	48 mm x 96 mm x 173 mm (H x W x D)		
Panel Cut-Out	44 mm x 92 mm (H x W)		
Protection	IP65 front side		
Integrated Transmitter Supply	24V, electrically isolated (all models)		
Integrated Bridge Supply	10V, electrically isolated (EV-101/ EV-102)		
Integrated Bridge Supply	0...12V, electrically isolated (EV-103/ EV-104)		
	Programmable in 0,01-V-steps, max. 30 mA		
	Accuracy 0,05V, ripple <5 mA		
Alarm Relay Output (EV-102/ EV-104)	2 x change over contacts,		
	max. 1A/250Vac or 5A/30Vdc		
Analogue Output (EV-103/ EV-104)	0...10V, 0...20V, 4...20 mA		
	Electrically isolated (500 Vdc/peak ac)		
	Response: 32 ms for 63%, 100 ms for 99%		
	Max. burden 900 Ohm, max. current 22 mA		
	Accuracy 0,2%; resolution 0,05%		
	Temperature influence < 100 ppm/K		
	Programmable damping filter		
Serial Interface (EV-103/104)	RS485/422, electrically isolated		
	max. 9600 baud; 2- or 4-wire		
Order Description	EV-100, EV-102, EV-103, EV-104		



SELECTION CHART

Function	EV-	101	102	103	104
Display Digits		4	4	5	5
4 Software Alarms		√	√	√	√
2 Alarm Relays			√		√
2 Function Buttons		√	√	√	√
2 Status Inputs				√	√
User Linearisation		√	√	√	√
Maths Functions		√	√	√	√
10V Transducer Supply		√	√		
0...12V Transd. Supply				√	√
24V Transmitter Supply		√	√	√	√
RS485/RS422				√	√
Analogue Output, programmable				√	√

Maths Functions:

- Square root, 3/2- and 5/2-root
- Maximum, minimum, averaging value
- Tara, automatic Zero adjustment

Linearisation:

- Input of up to 24 calibration points, suitable for i.e. tank contents measurements.