DEAX13568

Process Indicator with Two Analogue Inputs, Calculations and Programmable Analogue Output

Available models of this series:

DEAX13567:	Process Indicator, Display only
DEAX13568:	Process Indicator with Analogue Outputs 0 - 10 V und 0/4 – 20 mA
DEAX13569:	Process Indicator with 2 Presets and Optocoupler Outputs
DEAX13570:	Process Indicator with Serial Interface RS232 / RS485

- Two analogue inputs with independent scaling, each +/- 10V or 0/4 – 20 mA
- Operating modes for display of input A, input B as well as combinations [A + B], [A - B], [A x B] and [A : B]
- Fully programmable scaling and zero definitions
- Useful supplementary functions like Tare function, programmable averaging functions, programmable linearization etc.
- Power supply 115/230 VAC and 17-30 VDC in the same unit
- Aux. output 24 VDC / 100 mA for sensor supply

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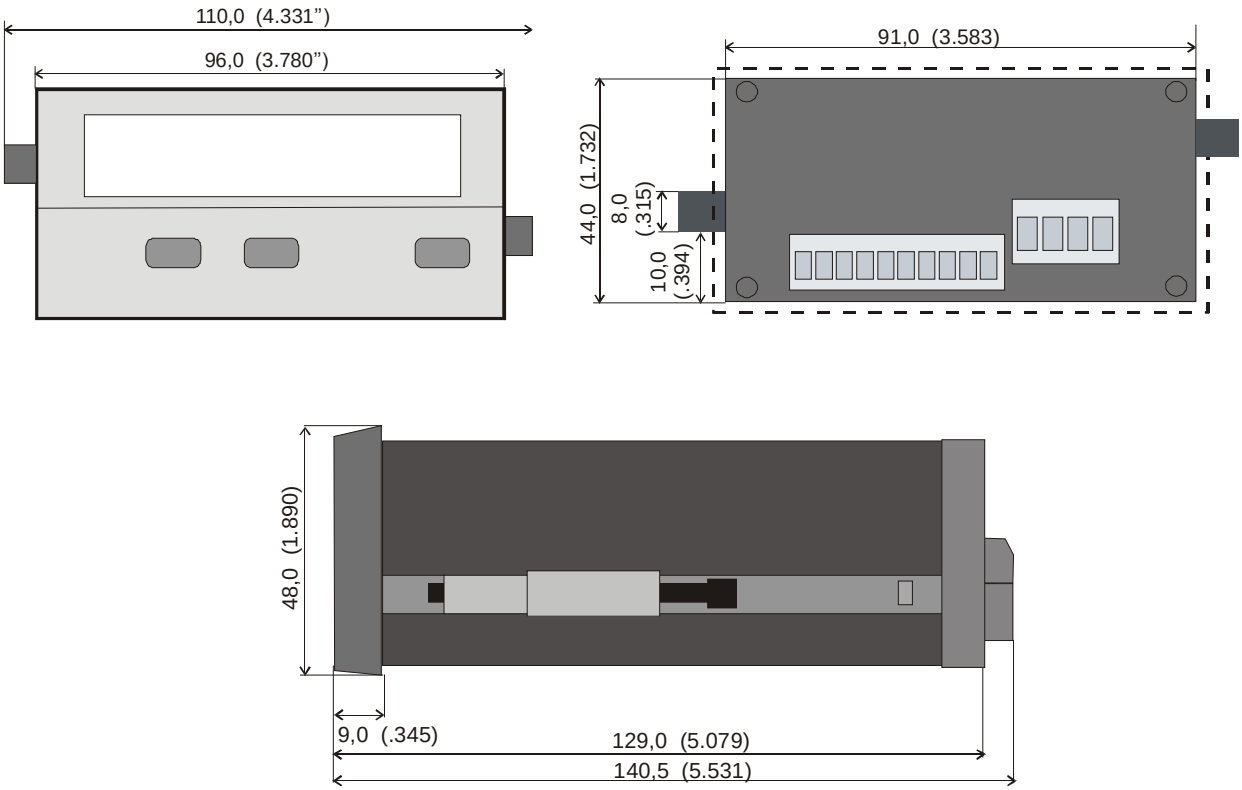
1. Technical Specifications

1.1. Dimensions



Panel cut out: 91 x 44 mm (3.583 x 1.732")

1.2. Technical Specifications

Power supply AC	:	115/230 V (+/- 12,5 %), 7,5 VA
Power supply DC	:	24 V (17 – 30 V), approx. 100 mA (without aux. sensor supply)
Total AC power	:	7,5 VA
DC current consumption (without sensors)	:	18 V : 110 mA, 24 V : 90 mA, 30 V : 80 mA
Aux. output for sensors	:	24 V DC, +/- 15%, 100 mA (with AC and DC power input)
Inputs	:	2 analogue inputs (+/-10 V, 0 ... 20 mA, 4 ... 20 mA)
Input impedance	:	Current: Ri = 100 Ohms, Voltage: Ri = 30 kOhms
Resolution	:	14 bits (13 bits + sign)
Accuracy	:	+/- 0.1%, +/- 1 digit
Analogue outputs		0/4 – 20 mA (max. 270 ohms) 0 ... +/-10 V (max. 2 mA) Resolution 14 bits
Response times		Display min. 50 msec. Analogue outputs min. 58 msec.
Ambient temperature	:	Operation: 0° - 45° (32 – 113°F) Storage: -25° - +70° (-13 – 158°F)
Housing	:	Norly UL94 – V-0
Display	:	6 decades LED, high-efficiency orange, 15 mm (0.590")
Protection class	:	IP65 (front), IP20 (rear)
Screw terminals	:	Signal lines max. 1.5 mm² (.0023 sq.in.) AC lines max. 2.5 mm² (.0039 sq.in.)
Conformity and standards	:	EMC 2004/108/EC: EN 61000-6-2 EN 61000-6-3 LV2005/95/EC: EN 61010-1