

DEAX13567, DEAX13569, DEAX13570

Process Indicators with Two Analogue Inputs and Calculations



DEAX13567: Process Indicator, Display only

DEAX13568: Process Indicator with Analogue Outputs 0 - 10 V und 0/4 - 20 mA
(see separate manual)

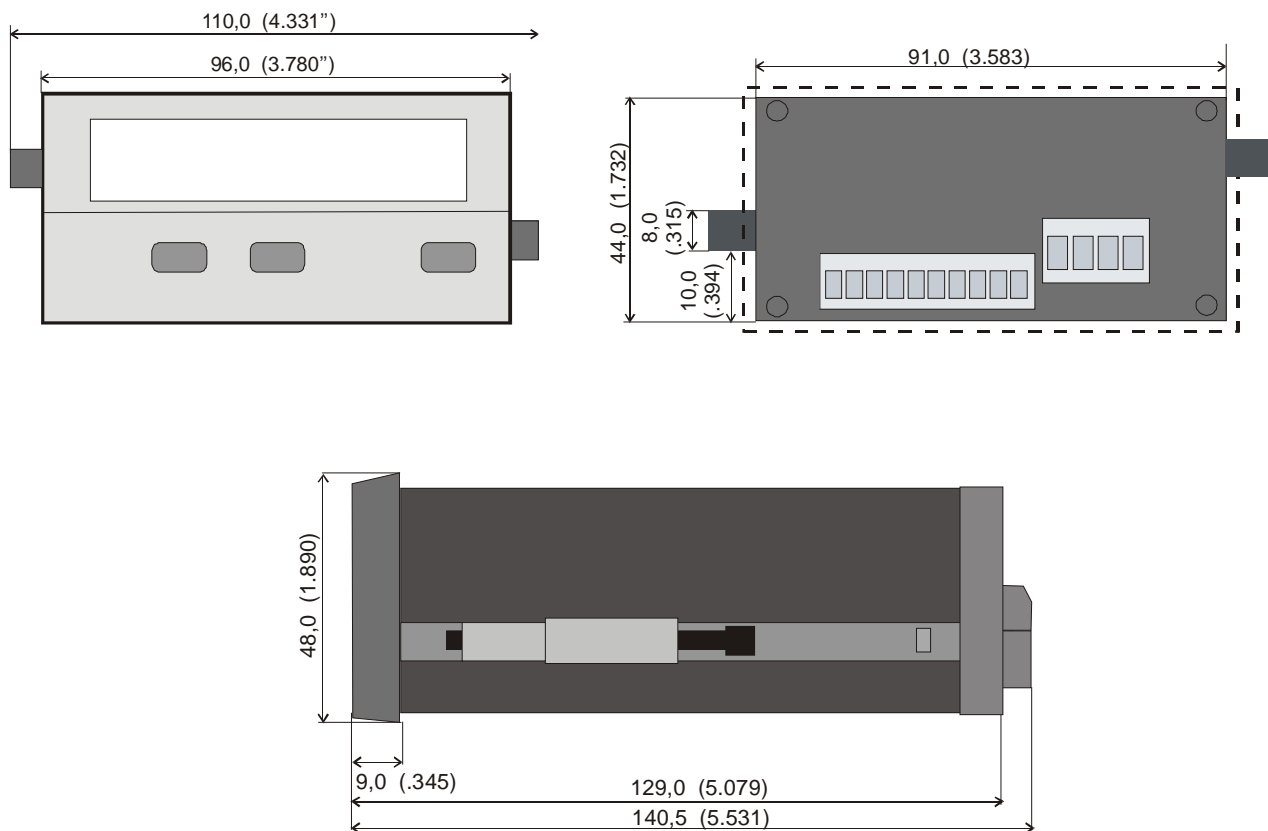
DEAX13569: Process Indicator with 2 Presets and Optocoupler Outputs

DEAX13570: Process Indicator with Serial RS232 / RS485 Interface

- Two analogue inputs with independent scaling, each +/- 10V or 0/4 - 20 mA
- Operating modes for display of input A or input B or the combinations A + B, A - B, A x B and A : B
- 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 V DC / 100 mA for sensor supply

1. Technical Specifications

1.1. Dimensions



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

1.2. Technical data

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
Switching outputs (DEAX13569 only)	: 2 x PNP, max. 35 V, max. 150 mA minimum response time 53 msec.
Serial interface (DEAX13570 only)	: RS 232 / RS 485, 600 - 38 400 bauds
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 mm ² (.0023 sq.in.) AC lines max. 2.5 mm ² (.0039 sq.in.)
Minimum update time	: 50 msec (display) : 53 msec (switching outputs)
Conformity and standards	: EMC 2004/108/EC: EN 61000-6-2 EN 61000-6-3 LV 2006/95/EC: EN 61010-1