ABB MEASUREMENT & ANALYTICS | DATA SHEET

INDI-PAXS / DISP-PAX

Analog input panel meters

Measurement made easy

Universal panel meters to be used with transducers and process signals.

Strain gauge, process, voltage and current inputs

Intuitive and easy programming (high flexibility)

16 points scaling for linearization

Programmable function keys / user inputs

Variable intensity display

Options

- 4 (0) to 20 mA or 0 to10 V analog output
- 2 or 4 setpoints with relay outputs
- RS-232, RS-485, USB or fieldbus capabilities
- NEMA 4X / IP rating IP 65 (transparent protection cover – Option ‘COVER PAX’)
- Desktop or industrial steel housing
- Rail DIN adaptor

Applications

The INDI-PAXS / DISP-PAX are perfectly designed to the following applications:

- Industrial weighing
- Force or torque measurement
- Remote display

Functions

- Reset (tare)
- Maximum and minimum memories
- Smart filter
- Totalization of several measurement
- Protection code

Specification

	INDI-PAXS	INDI-PAXS24	DISP-PAXP	DISP-PAXP24
Type	Single strain gauge bridge input meter	Single strain gauge bridge input meter	Single process input meter	Single process input meter
Input range	±24 mV / ±240 mV[2]	±24 mV / ±240 mV[2]	20 mA / 10 V DC[2]	20 mA / 10 V DC[2]
Sensor excitation	10 V DC @ 125 mA max. [3]	10 V DC @ 125 mA max. [3]	24 V DC ±5 % @ 50 mA max.	24 V DC ±5 % @ 50mA max.
Display	5 digits (14.2 mm [0.56 in])	5 digits (14.2 mm [0.56 in])	5 digits (14.2 mm [0.56 in])	5 digits (14.2 mm [0.56 in])
Accuracy	0.1 % F.S.[1]	0.1 % F.S.[1]	0.1 % F.S.[1]	0.1 % F.S.[1]
A/D converter	16 bits	16 bits	16 bits	16 bits
Converter rate	Up to 20 readings/s	Up to 20 readings/s	Up to 20 readings/s	Up to 20 readings/s
IP Rating	IP 54[4]	IP 54[4]	IP 54[4]	IP 54[4]
Temperature data				
Service temperature range	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)	0 to 50 °C (32 to 122 °F)
Storage temperature range	−40 to 60 °C (−40 to 140 °F)	−40 to 60 °C (−40 to 140 °F)	−40 to 60 °C (−40 to 140 °F)	−40 to 60 °C (−40 to 140 °F)
Electrical data				
Power supply	85 to 250 VAC (15 VA)	11 to 36 VDC (11 W), 24 VAC (15 VA)	85 to 250 VAC (15 VA)	11 to 36 VDC (11 W), 24 VAC (15 VA)

1 F.S.: Full scale

2 Configurable at user's level

3 5 V DC @ 65 mA max. (jumper selectable)

4 IP rating only for front panel

Specifications subjects to change without notice

Dimensions

Analog input panel meters INDI-PAXS / DISP-PAX

All dimensions in mm (in)

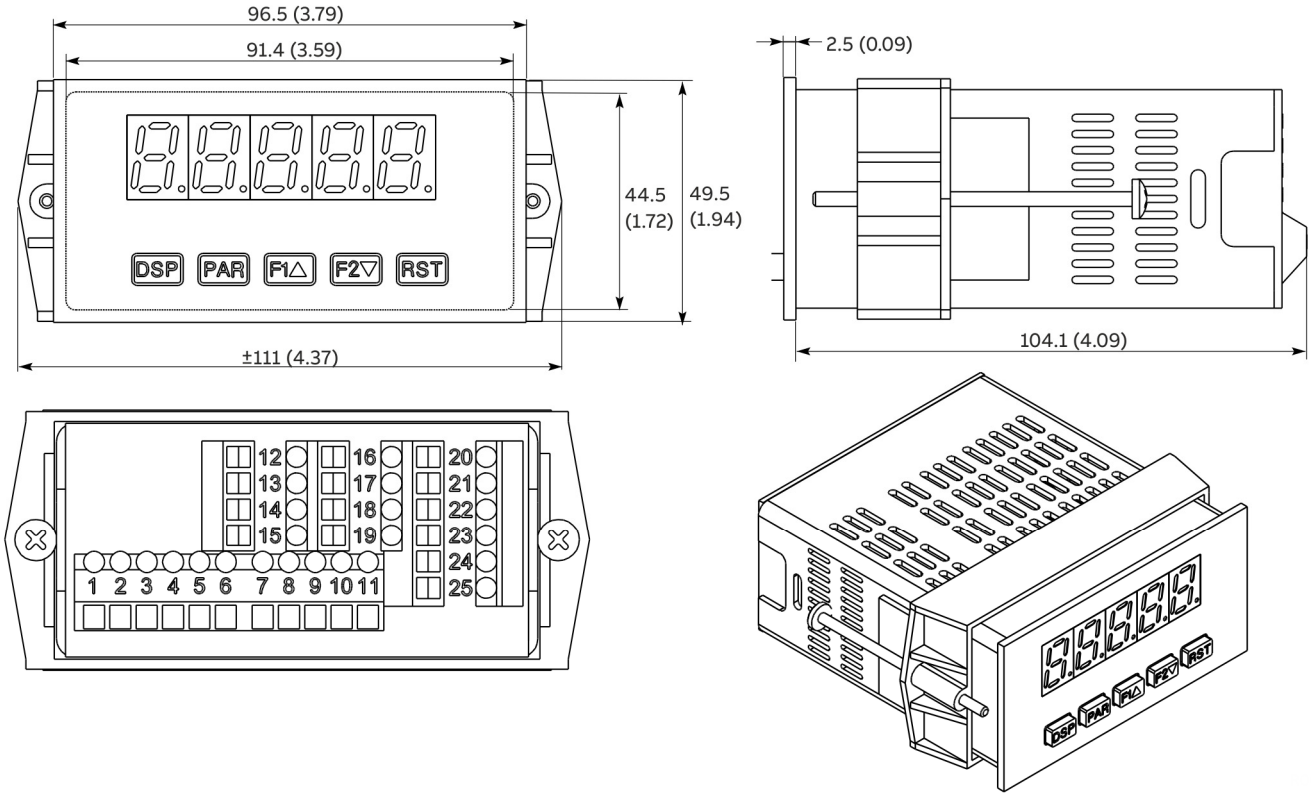


Figure 1: Standard dimensions

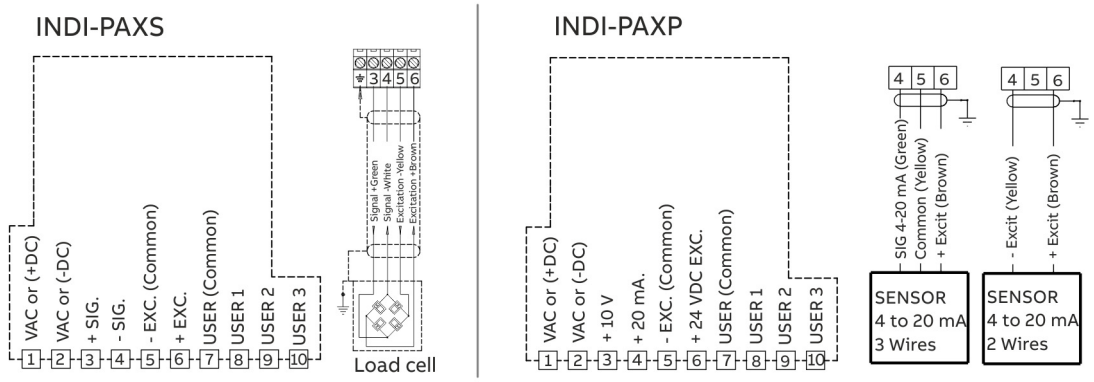
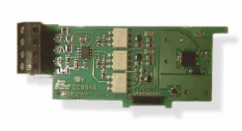
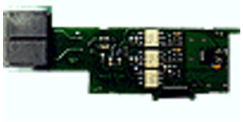
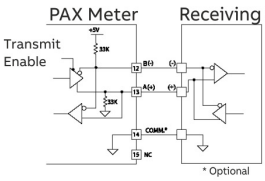
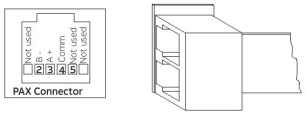
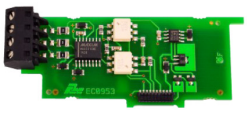
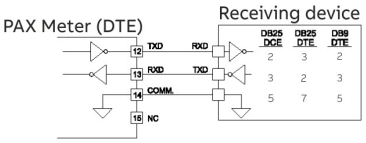
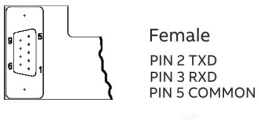


Figure 2: Terminals

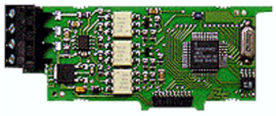
Option cards

Communication cards (max. 1 choice)		Description	
CARD-CDC10	CARD-CDC1C	CARD-CDC10	CARD-CDC1C
			

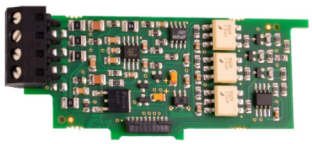
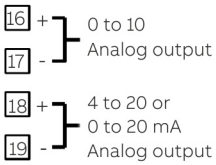
- RS-485 field bus communication interface.
  Available with crew terminals or DB9 connector

CARD-CDC20	CARD-CDC2C	CARD-CDC20	CARD-CDC2C
			

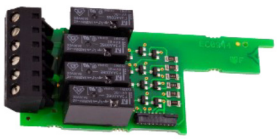
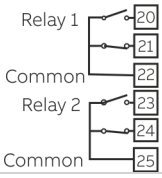
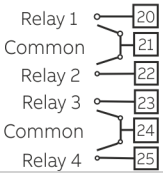
- RS-232C half-duplex communication interface.
  Available with crew terminals or DB9 connector

CARD-CDC30	CARD-CDC40	CARD-CDC50 / CARD-CDC50-CRANE
		

- DeviceNet communication interface
- Modbus communication
- Profibus DP (EN 50170) communication interface

Analog output card	Discription
CARD-CDL10	CARD-CDL10
	

- Analog output signal : 0 to 20 mA, 4 to 20 mA or 0 to 10 VDC

Relay cards (max. 1 choice)		
CARD-CDS10 & CARD-CDS20	CARD-CDS10	CARD-CDS20
		

Cards already included

- Analog output card: CARD-CDL10
- Relay cards: CARD-CDS20 (4 setpoints)
- Models: CABIN-2×B1SUMD ; CABIN-4×B1SUMD
- Models: INDI-BOY DISP-BOYP, CRANE-BOY CRANE-BOYP, DISP-BOYDP, CRANE-BOYDP, CRANE-SUMD DISP-SUMD, CRANE-BOY-Exd, CABIN-2×B1SUMD, CABIN-4×B1SUMD

Notes

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