

## DISP-PAXDP

## DUAL INPUT DISPLAYS

Dual independent process input meters.



DISP-PAXDP + Option "COVER PAX"



### Features

- o A math function can be performed on both signals.
- o Any of the 3 meter values can have alarms, analogue output or comms by adding optional card.
- o Intuitive and easy programming (high flexibility)
- o Variable intensity display
- o 16 points scaling for linearisation
- o Programmable function keys/user inputs

### Available option(s)

- Analogue output 4 (0)...20 mA or 0...10 V
- 2 or 4 set-points with relay outputs
- RS-232, RS-485, USB or fieldbus capabilities
- NEMA 4X / IP65 (transparent protection cover - Option "COVER PAX")
- Desktop or industrial steel housing
- Rail DIN adaptor

### Application(s)

SENSY's DISP-PAXDP are perfectly designed for the following applications:

- Industrial weighing,
- Force or torque measurement,
- Mass flow measurement (weight\*speed).

### Function(s)

Reset (tare), maximum and minimum memories, smart filter, totalisation of several measurements, protection code, ...

| Specifications            | DISP-PAXDP  | DISP-PAXDP24  |         |
|---------------------------|---|---|---------|
| Type                      | Dual process input meter                                    | Dual process input meter                                    | -       |
| Input range               | 2 x 20 mA (-26 to +26 mA) / 2 x 10 VDC (-13 to +13 VDC)**** | 2 x 20 mA (-26 to +26 mA) / 2 x 10 VDC (-13 to +13 VDC)**** | -       |
| Sensor excitation         | 18 VDC $\pm$ 20% @ 70 mA max. per input channel             | 18 VDC $\pm$ 20% @ 70 mA max. per input channel             | -       |
| Display                   | 5 digits (14.2 mm)  | 5 digits (14.2 mm)  | -       |
| Accuracy                  | 0.1   | 0.1   | % F.S.* |
| A/D converter             | 16 bits   | 16 bits   | -       |
| Converter rate            | Up to 20 readings /s  | Up to 20 readings /s  | -       |
| Service temperature range | 0...+50   | 0...+50   | °C      |
| Storage temperature range | -40...+60   | -40...+60   | °C      |
| Power supply              | 85...250 VAC, 50/60 Hz (21 VA)                              | 18...36 VDC (13 W), 24 VAC (16 VA)                          | -       |
| IP rating                 | IP54***   | IP54***   | -       |

\*F.S. : Full Scale

\*\* : configurable at user level

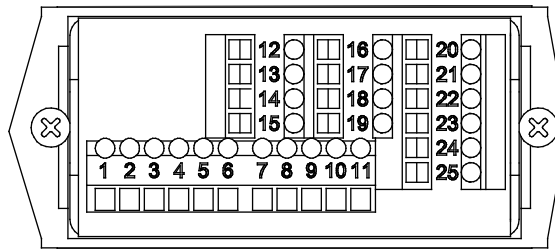
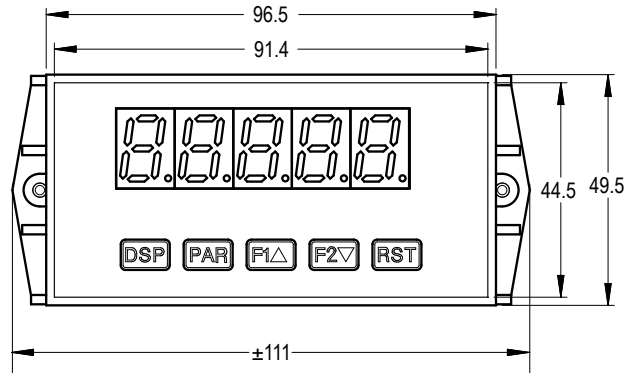
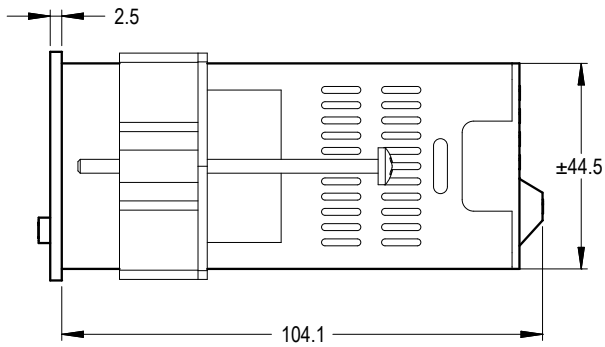
\*\*\* : IP rating only for front panel

Specifications subject to change without notice



ISO 9001 certified

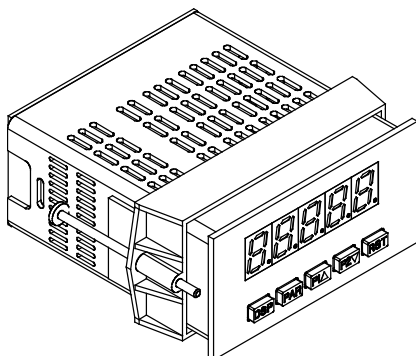
DISP-PAXDP > STANDARD DIMENSIONS



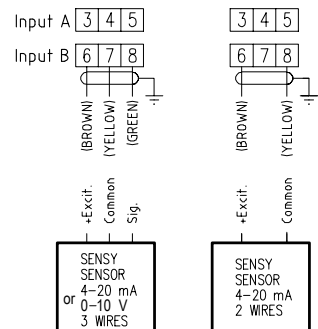
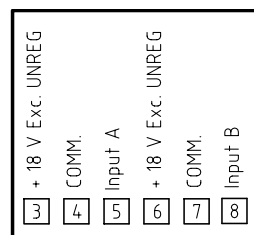
Note: recommended min. clearance (behind the panel) for mounting is 140 mm deep and 53.4 mm high. Panel cut-out 92mm (-0+0.8) 45 mm (-0+0.5)

Dimensions in mm

Other view



Terminals



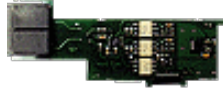
# OPTION CARDS

## Communication cards (max. 1 choice)

### CARD-CDC10

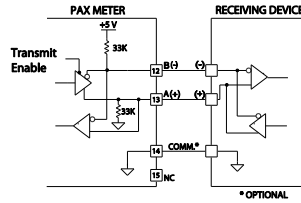


### CARD-CDC1C

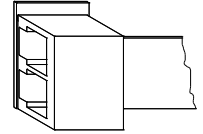
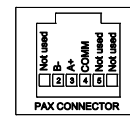


- RS-485 field bus communication interface  
Available with crew terminals or DB9 connector

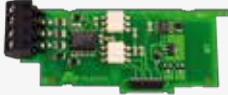
### CARD-CDC10



### CARD-CDC1C



### CARD-CDC20

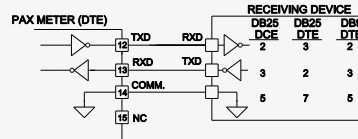


### CARD-CDC2C

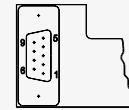


- RS-232 half-duplex communication interface  
Available with crew terminals or DB9 connector

### CARD-CDC20



### CARD-CDC2C



FEMALE  
PIN 2 TXD  
PIN 3 RXD  
PIN 5 COMMON

### CARD-CDC30



### CARD-CDC40



- DeviceNet communication interface
- Modbus communication interface

### CARD-CDC50 / CARD-CDC50-CRANE\*



- Profibus-DP (EN 50170) communication interface

\* As the CARD-CDC50 is too long for the housing of the CRANE-BOY, the CARD-CDC50-CRANE is supplied with a spacer to be inserted between the front of the electronics and the housing.

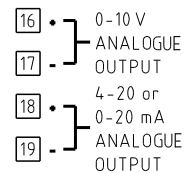
## Analogue output card

### CARD-CDL10



- Analogue output signal: 0-20 mA, 4-20 mA, 0-10 VDC

### CARD-CDL10



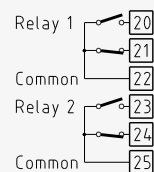
## Relay cards (max. 1 choice)

### CARD-CDS10 & CARD-CDS20

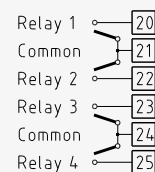


- 2 or 4 set-points activating each an independent relay

### CARD-CDS10



### CARD-CDS20



## Cards already included

- Analogue output card:  
**CARD-CDL10**

- Models:  
CABIN-2xB1SUMD; CABIN-4xB1SUMD

- Relay card:  
**CARD-CDS20 (4 set-points)**

- Models:  
INDI-BOY DISP-BOYP; CRANE-BOY CRANE-BOYP; DISP-BOYDP  
CRANE-BOYDP; CRANE-SUMD DISP-SUMD; CRANE-BOY-Exd;  
CABIN-2xB1SUMD; CABIN-4xB1SUMD.