

**Programmable 2-Channel Industry-Built-In Measuring Device Type PAX-DP**

- Display Freely Scalable
- 2 Galvanically Separated Input Channels
- Extendable by up to 3 Output Cards
- Up to 105 Measurements/s
- Minimum-Maximum Value Display
- Short Length Design (Depth 104 mm)
- Level of Protection IP 65 on Front Side



**DESCRIPTION:**

PAX-DP is a very flexible and accurate 2-channel laboratory device which is also excellently qualified for rough industrial applications due to its very robust synthetic housing and the IP 65 level of protection on front side.

The device is programmed by 5 keys. Additional functions such as e.g. minimum/maximum memory, delete memory, channel 1 or 2....., can be effected by keys or by the 2 programmable inputs.

The inputs can be adjusted by jumpers PNP- or NPN-.

A linearization of up to 16 steps is possible.

Both devices are equipped with an easy to change backlight unit display.

The 2-channel device has 2 galvanically separated 0...±10 V or 0...±20 mA inputs.

Thus, this device is especially suitable for dual-range sensors with active output signals. The display channel can be switched over by keystroke or by a control input.

Each measuring channel has its own parameter set, the output cards can be assigned freely and both measured values can be transferred via the interface.

The device can be fitted and/or refitted with the most various output cards. Maximal, the device can be equipped with one limit value output, one analog output and one interface slot.

**TECHNICAL DATA:**

Type	PAX-DP-0000	PAX-DP-0010
Art. No.	101694	110064
Supply	85...250 V AC 50/60 Hz 15 VA	11...36 V DC 11 W or 24 V AC ±10% 50/60 Hz 15 VA
Measuring Rate	5.3 - 105 Measurements/s adjustable	
Reaction Time	60 ms for display of 99% of final value, max. 0.8 s (prolongs by decrease of filtration)	
LED-Display	5-digit, red, height 14 mm, unit freely definable	

**Sensor Side**

Excitation	18 V DC ±20% , max. 90 mA per input channel
Signal Input / Impedance	±10 V / 500 kΩ ±20 mA / 24.6 Ω
Disturbing Signal Rejection NMR	>60 dB at 50/60 Hz ±1% (can be increased by digital filtration)
Common Mode Suppression CMR	>100 dB, DC to 120 Hz

**Miscellaneous**

Service Temperature Range	0...+45 °C
Storage Temperature Range	-40...+60 °C
Relative Humidity	max. 85%, non-condensing
Electromagnetic Compatibility, CE conform	Emission: EN 50081-2, Immunity: EN 50082-2,
Dimension (W x H x D)	97 x 50 x 104 mm
Switch-Board Segment	92 x 45 mm
Weight	approx. 0.3 kg
Level of Protection of Front Side	IP 65

Options	Art. No.	Function
CDC10	100861	Interface Module RS485
CDC20	100862	Interface Module RS232
CDL10	100863	Analog Output 0...10 V or 0...20 V, 4...20 mA
CDS10	100864	2 Limit Value Relay Change-Over Contacts
CDS20	100865	4 Limit Value Relay Closing Contacts
CDS30	100866	4 Limit Value Transistor Outputs NPN
CDS40	100867	4 Limit Value Transistor Outputs PNP
EVK	101014	Mounting, Wiring and Calibration
PAX-XLS	106872	Measuring- and Evaluation Software for Excel®, only applicable with Option RS232

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