

Desktop Measuring Instrument PAX-LC-TG



Performance Features

- Display freely scalable
- 5-Digit 14 mm LED-Display
- Min.-Max. Value Memory
- Control signal switch-on
- Programming Lock by Code
- Up to 20 measurements/s
- Tare function
- Optional: Output cards
- Optional: Backlit display unit
- Active sensors: PAX-D000B-LC-TG
- Passive sensors: PAX-S000B-LC-TG

Application

- Research and development
- Process measuring and control technology
- Automotive engineering
- Energy and environmental technology
- Mechanical engineering

Description

This measuring amplifier is a very flexible and precise laboratory device. Sensor signals can be displayed, scaled and processed.

The device gets easily programmed by 5 keys via the user interface. Additional functions e.g. "min.-max. memory", "tare" and "delete memory" can be carried out.

The measuring amplifier is freely scaled by the 2-point method or by applying input signals. The sensor can be easily adjusted by control keys (provided that the sensor has a control signal). Up to 16 steps linearization are possible as well.

The decimal point can be freely selected. If necessary, the display can be stabilized by a rounding factor and digital filtration.

A code avoids unintended changes of parameters.

The device can be equipped with various output cards. In each case the device can be equipped at the max. with an interface card, an analog output card and a limit value relay output card.

The physical unit is backlit and must be specified when placing the order.

Technical Data

Type		PAX-S000B-LC-TG	PAX-D000B-LC-TG
Article-No.		106789	106785
Description		Passive signals	Active signals
Mains supply	VAC	85 ... 250 (50 ... 60 HZ, 15 VA)	
Accuracy of measurement		0.05% ±2 digits	
Measuring rate adjustable	Measurements/s	1 / 2 / 5 / 10 / 20	
Reaction time		0.2 s for display of 99% of final value, max. 0.7 s (prolongs at increase of digital filtration)	
Display		Red LED, unit freely definable	
Display rate	1/s	2.5	
Display dimensions		5 digits + sign + unit	
On the sensor side			
Excitation / Supply	VDC	10V, 125 mA	24V, 50 mA
Input sensitivity		±24 mV	±20V
Impedance	MΩ	100	1.066
Control key		Yes	Yes
Rated temperature range	°C	15 ... 35	
Service temperature range	°C	5 ... 45	
Storage temperature range	°C	-10 ... 60	
Dimensions (L x W x H)	mm	130 x 160 x 80	
Level of protection	EN 60529	IP40	
Weight	kg	0.7	

Options / Equipment

Article-No.	Description	Type
115134	Adjustment amplifier with simulator	mV/V/±10V/0/4...20mA
100949	Interface card RS232	PAX-LC-TG-CDC20
113259	RS232 D-SUB extension, 1:1, 1.8 m, with 9-pin connector and female connector	GM 80/D-SUB
109629	RS232 - USB serial interface, 1 m	GM 80/USA-19HS
101035	Plug-in analog output card 0 .. 10V or 0/4 .. 20 mA	PAX-LC-TG-CDL10
100950	Plug-in limit value relay output card, 2 x changer	PAX-LC-TG-CDS10
101036	Plug-in limit value relay output card, 4 x closer	PAX-LC-TG-CDS20
101037	Plug-in limit value transistor output card, 4 x NPN	PAX-LC-TG-CDS30
101039	Plug-in limit value transistor output card, 4 x PNP	PAX-LC-TG-CDS40

For further specifications see data sheet PAX.