PI CA100-P

DESCRIPTION

PICA100-P, instrument of the KOSMOS series, size 1/32 DIN with 4 digits LED red 8 mm high, designed for measuring process signals in range from 0 to 10 V, 0 to 20 mA, 4 to 20 mA with power supply for the transducer incorporated, easily scalable in engineering units, via keyboard or field signal.

Incorporates others inputs, from 0 to 60 Vdc that allows voltages measurements like batteries of 12, 24 or 48 V and from 0 to 100 mV adequate for connection with Shunts of 50, 60 or 100 mV that allows measurements of tensions up to \pm 2000 A. Its two supply ranges makes it useful for industrial applications like installations with batteries. For this reason, it is very useful equipment for nautical applications especially for measurement and control of batteries or tanks of irregular shape thanks to the linearization of ramps option incorporated on this instrument.

Its two mounted relays allows this instrument not only to measure but also to be able to control, regulate and detect alarms for the mentioned signals.

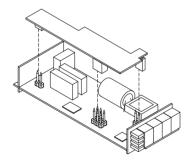
Tanks to its communication option RS4P (RS485) it can be integrated within a measurement system and is able to provide information via its MODBUS-RTU protocol, and can be totally configured by PC with a free el software available in www.ditel.es

Incorporates three keys located on the font bottom for the configuration of all the parameters.

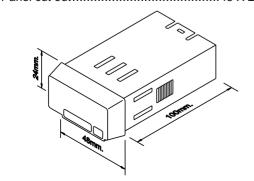
Its brightness level is programmable with 4 levels in order to adapt it to the environment where it works. Registers the minimum and maximum process value since its commissioning or resetting. Offers the possibility to make a tare (display value absorption) that can be locked out at any time.

The output options are isolated from the input and the power supply.

STRUCTURE



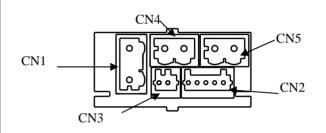
SIZE





CONNECTIONS

REAR VIEW



CN1	POWER SUPPLY				
PIN	AC VERSION		DC VERSION		
1	AC Phase		+VDC		
2	AC Neutre		- VDC		
CN2	INPUT SIGNAL				
	PROC.	VOLT		mV	
1	+ 10 V	+ 60) V		
2	+ mA				
3				+ mV (Shunt)	
4	- Signal / - Exc.				
5	+ Exc. (20 V)				
CN3	OUTPUT RS 485				
1	TxD+/ RxD +				
2	TxD- / RxD -				
CN4	RELAIS 1				
1		SDST I	N O		
2	SPST N.O.				
CN5	RELAIS 2				
1	SPST N.O.				
2					

PI CA100-P

TECHNICAL SPECIFICATIONS INPUT SIGNAL a Configuration asymmetric differential	RELAYS • 2 SPST Relays (included)5 A @ 250 Vac /30 Vdc
Process input Voltage Current Voltage ±10 V DC ±20 mA DC Resolution max. 1 mV 1, μA Input impedance 10.1% of the reading +1 digit) Volts / milivolts input Voltage ±60 V, ±10 V, ±100 mV Resolution max. 10 mV, 10 mV, 0,1 mV Input impedance 10.1% of the reading +1 digit) Volts / milivolts input Voltage ±60 V, ±10 V, ±100 mV Resolution max. 10 mV, 10 mV, 0,1 mV Input impedance 11 MΩ, 1 MΩ, 100 MΩ Error max. ± (0.1% of the reading +1 digit) MAX applicable input signal Process mA ±24 mA Process mA ±22 mA Process V ±12 V Volts 60 V MAX. continuous Overload 60 V, 10 V inputs 80 V MAX. continuous Overload mV input 50 mA DISPLAY Principal 1901 -1999/ +9999, 4 digits 8 mm Decimal point 1999/ +9999, 4 digits 8 mm Decimal	POWER SUPPLY PICA100-P85 VAC – 265 VAC / 100 VDC – 300 VDC PICA100-P621 VAC – 53 VAC / 10,5 VDC – 70 VDC FUSES (DIN 41661) - Not included PICA100-P6
	PICA100-P / PICA100-P6 can be supplied with the RS4P option assembled. ORDERING REFERENCES Universal power supply PICA100-P Universal power supply PICA104-P Low voltage power supply PICA104-P6 Low voltage power supply PICA104-P6