www.ditel.es

# DITEL

## KOSMOS

### **DIGITAL PANEL METERS**



## THE BROADEST OFFER OF DIGITAL PANEL METERS FOR THE INDUSTRIAL MARKET

Our range of digital instruments KOSMOS is designed for supervision and control of industrial processes. Our instruments are suitable for almost any kind of measurements.

- Ammeters
- Chronometers
- Counters
- Torque
- Flow
- Mass Flow
- Displacement
- Force
- Frequencymeters
- Humidity
- Inclination

Thanks to their modular design, they can be equipped with optional plug-in output options, for different control purposes or/and communication with any global process in different protocols, such as:

- Analog Outputs
- Relays/Optos Outputs
  - BCD
- RS232 (ASCII / MODBUS RTU)
- RS485 (ASCII / MODBUS RTU)
  - ETHERNET (MODBUS TCP)

#### All our meters benefit with the 5 years DITEL Warranty



- Level
- Ohmmeter
- Industrial weighing
- Position
- Pressure
- Tachometer
- Temperature
- Totalizer
- Voltmeter

etc...













## The numerous industrial applications covered by our digital instruments KOSMOS can be found in sectors such as:



- Packing / Bottling
- Food / Agry-Food
  - Automotive
    - Energy
  - Chemical
  - Manufacturing
    - Weighing
- Fluids management
  - Ceramic furnaces
    - Cold Storage
    - Machine-tools
      - Cranes
        - etc...

Do not hesitate to contact our technical support team, they will offer you the most adequate solution to your particular application.











	Model	PICA40	PICA	PICA104	PICA101	PICA100	JU
	Front view	1223	<u>5300</u> ,	¥567	19567 1	<b>456</b> 1	S
	Format	48x24x40mm	48x24x70mm	48x24x100mm	48x24x100mm	48x24x100mm	96x48
	Digits	-1999/9999	-1999/9999	-1999/9999	-1999/9999	-1999/9999	-999
	Resolution Readings	±15 bits	±15 bits	±15 bits	±15 bits	±15 bits	±1
	Readings mV / V	62/s	25/s	25/s	25/s	25/s	4
Load Cell	± 10 VDC						J
Process	± 20 mA	PICA40-LP (*)	PICA-P	PICA104-P	PICA101-P	PICA100-P	J
	Potentiometer Pt100 (0,01 °C) Pt1000 Pt100 Thermocouple J		PICA-T				J
Temperature	Thermocouple K Thermocouple T Thermocouple R Thermocouple S Thermocouple E						
	Thermocouple N Ohmmeter Ampmeter DC	PICA40-ADC	PICA-T				J
Electrical Variables	Voltmeter DC Ampmeter AC Voltmeter AC	PICA40-VDC (**)	PICA-P PICA-E	PICA104-P	PICA101-P	PICA100-P	JR-P J
Pulse Input	Fréquencymeter Tachometer Totalizer Counter Chronometer		PICA-F	PICA104-F	PICA101-F	PICA100-F	J
Repeater	RS485 Ethernet						
POWER SUPPLY	115 / 230 VAC 10-30 VDC 24 /48 VAC 85-265VAC/100-300VDC 21-53VAC/10-70VDC 10-30 VDC (Non isolated) 11-265VDC/20-265VAC 20-265 VAC/VDC	PICA40-ADC	PICA PICA6	PICA104 PICA1046	PICA101 PICA1016	PICA100 PICA1006	
		*) 4-20mA loop powe	ered	voltage			
OUTPUT OPTIONS	1 Relay SPDT 8A 2 Relays SPDT 8A 4 Relays SPST 5A 4 Optos NPN/PNP Analog. 0-10V/4-20mA Analog. 4-20mA Analog. 0-10V BCD Parallel RS232C RS485 RS485 (PICA) Analog. 0/4-20mA (PICA) ETHERNET 4-20mA Generator	(**) 3 digits display p	owered by measured		ICLUDED (SPST 5/	A)	

NIOR	JUNIOR20	IDEAL-P	MICRA	ALPHA	BETA	BETA-MP	GAMMA
1 <b>0</b> 4	5684	1468	19 <b>543</b>	98 165;	123456 98 155432	123456 98 155498 98 155498	1234
8x60mm	96x48x60mm	96x48x60mm	96x48x60mm	96x48x120mm	96x48x120mm	96x48x120mm	96x48x120mm
9/9999	-1999/9999	-9999/9999	<u>±</u> 39999 99999 (Micra-D)	±32000 99999 (Alpha-D)	±99999 99999999 (Beta-D)	±99999 999999	±9999
ō bits	±15 bits	±15 bits	±15 bits	24 bits ΔΣ	24 bits ΔΣ	24 bits ΔΣ	±15 bits
0/s	20/s	20/s	20/s	18/s	18/s	18/s	555/s
R-C	JR20-C			ALPHA-C			
R-P	JR20-P	IDEAL-P	MICRA-M	ALPHA-P	BETA-M	BETA-MP	GAMMA-M
R-P	JR20-P	IDEAL-P	MICRA-M	ALPHA-T	BETA-M	BETA-MP (BETA-M + 8 programmable	
						memories of total configuration)	
R-P	JR20-P	IDEAL-P					
R-E	JR20-E						
JR-E R-E	JR20-P JR20-E	IDEAL-P	MICRA-E (TRMS)				
R-D	JR20-D		MICRA-D	ALPHA-D	BETA-D		
			MICRA-X MICRA-NE				
			MICKA-NE				
				ALPHA	BETA	BETA-MP	GAMMA-M GAMMA-M1
				ALPHA2	BETA2	BETA-MP2	GAMMA-M1
			MICRA MICRA6				
R	JR20						
		IDEAL-P					



## MICRA

#### **TRICOLOUR MULTIFUNCTION**



230,0 \*\*\*

14mm



20mm

and control applications. Easy implementation and universal power supply are the highlighted

features of these top quality meters.

Display available with 14mm (JR models) or 20 mm high digits (JR20 models)



- 2RE : 2 Relays Output
- ACK100 : DIN Rail Adapter

### **IDEAL-P**



**ALL IN ONE** 

The IDEAL-P indicator with standard 96x48 format, offers all the features that your process demands. Its ease of use, its universal power supply, and its economic cost, will

make of IDEAL-P your benchmark indicator.

- ±10V , ±200V, ±20mA
- Pt100, TC J-K-T-N
- White LED
- 1 Relay 8A SPDT Alarm
- 4-20mA Output
  - Re-copy
  - Setpoint generator
- Universal Power Supply

## ALPHA-BETA-GAMMA

#### **HIGH PERFORMANCE**



PICA Series provide you with easy to use low cost meters in format 48x24mm adequate for downsizing equipment and control panels.



Loop powered 4-20mA



Standard Display PICA101

2 SPST Alarms 1 Re-copy 0/4-20mA Sensor power supply 15 to 25V - 30mA





#### **SPECIALISTS IN VISUALIZATION**

#### DISTRIBUTOR

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