

KOSMOS

series



HIGH PERFORMANCE DPM


- HIGH RESOLUTION
- HIGH SPEED DATA ACQUISITION
- MATH FUNCTIONS
- MODULAR OUTPUTS OPTIONS
- PROGRAMMABLE LOGICAL FUNCTIONS
- SENSOR EXCITATION
- IP65 SEALED FRONT PANEL

DIGITAL PANEL METERS

- MODELS WITH PROGRAMMABLE TRICOLOR DISPLAY
- EXCELLENT QUALITY PRICE RATIO
- SHORT DEPTH ALLOWS EASIER MOUNTING
- EXTENSIVE OFFER ON 48x24 mm. FORMAT
- SENSOR EXCITATION
- IP65 SEALED FRONT PANEL



HIGH PERFORMANCE DPM

	MODEL	DESCRIPTION	SIZE	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
MULTIFUNCTION	 BETA-M BETA-MP	DOUBLE DISPLAY INTEGRATOR TOTALIZER BATCH COUNTER TANK VOLUME AVERAGE	96x48x120 mm	230/115 VAC 24/48 VAC	24 bit $\Delta \Sigma$ 18/s RED LED 14 mm ± 99999 GREEN LED 8 mm 99 999999	± 10 V / ± 1 V ± 20 mA / ± 1 mA $\pm 15, 30, 60, 300$ mV TEMP: PT100, J,K,T,R,S,E Pot:100 Ω to 100K Ω	2RE ANA 4RE BCD 4OP RS2 4OPP RS4	TARA, HOLD, MAX, MIN, RESET... 36 LOGICAL FUNCTION SEGMENTS LINEARIZATION AVERAGE UP TO 200 READING 8 SENSORS
	 KAPPA-M	2 PROCESS INPUTS INTEGRATOR TOTALIZER MATH OPERATIONS +, -, \times , \div , $\sqrt{\quad}$.	96x48x120 mm	230/115 VAC 24/48 VAC	± 15 bit 100/s RED LED 14 mm ± 9999 GREEN LED 8 mm 99 999999	± 10 V / ± 1 V ± 20 mA $\pm 30, 60, 120,$ 300,500 mV Potentiometer 120 Ω min, Z>10M Ω	2RE ANA 4RE RS2 4OP RS4 4OPP	TARA, HOLD, MAX, MIN, RESET... 26 LOGICAL FUNCTIONS SEGMENTS LINEARIZATION
	 GAMMA-M	HIGH SPEED ACQUISITION ALARM RESPONSE 2,1ms ANA OUTPUT 200Hz PEAK-PEAK DISPLAY	96x48x120 mm	230/115 VAC 24/48 VAC 10 to 30 VDC	± 15 bit 555/s RED LED 14 mm ± 9999	± 10 V, ± 1 V ± 20 mA $\pm 30, 60, 120,$ 300,500 mV Potentiometer 120 Ω min, Z>10M Ω	2RE ANA 4RE RS2 4OP RS4 4OPP	TARA, HOLD, MAX, MIN, RESET... 31 LOGICAL FUNCTIONS SEGMENTS LINEARIZATION
FREQUENCY / PULSES INPUTS	 ALPHA-D	COUNTER, BATCHES TACHOMETER / TOTAL FREQUENCYMETER CHRONOMETER QUADRATURE PHASE	96x48x120 mm	230/115 VAC 24/48 VAC 10 to 30 VDC	RED LED 14 mm ± 99999 9999 9999 F0,01 Hz to 40 kHz Compt 22 kHz max	MAGNET, 120 mVAC NAMUR ENCODER, PNP, NPN CONTACT VOLTAGE 600 VAC	2RE ANA 4RE BCD 4OP RS2 4OPP RS4	OFFSET, RESET, HOLD... 29 LOGICAL FUNCTIONS ROTATION SENSE DETECTION BI-DIRECTIONAL
	 BETA-D	DOUBLE DISPLAY COUNTER, BATCHES TACHOMETER / TOTAL 2 INPUTS MATH OPERATIONS	96x48x120 mm	230/115 VAC 24/48 VAC	RED LED 14 mm ± 999999 GREEN LED 8 mm 99 999999 F0,02 Hz to 12 kHz	MAGNET, 120 mVAC NAMUR ENCODER PNP, NPN CONTACT VOLTAGE 600 VAC	2RE ANA 4RE RS2 4OP RS4 4OPP	OFFSET, RESET, HOLD, VISUAL... 27 LOGICAL FUNCTIONS QUADRATURE PHASE FLOW RATE/ TOTAL DISPLAY
ANALOGUE INPUT	 ALPHA-P	PROCESS INTEGRATOR TOTALIZER TANK VOLUME POTENTIOMETER	96x48x120 mm	230/115 VAC 24/48 VAC 10 to 30 VDC	RED LED 14 mm ± 999999 24 bit $\Delta \Sigma$ 20/s ± 32000 9999 9999	± 10 V/ ± 1 V ± 20 mA/ ± 1 mA Potentiometer: 100 Ω to 100 k Ω	2RE ANA 4RE BCD 4OP RS2 4OPP RS4	TARA, HOLD, MAX, MIN, RESET... 36 LOGICAL FUNCTIONS SEGMENTS LINEARIZATION ARC SINUS DISPLAY
	 ALPHA-C	LOAD CELL TOTALIZER COUNTER BATCHES	96x48x120 mm	230/115 VAC 24/48 VAC 10 to 30 VDC	RED LED 14 mm 24 bit $\Delta \Sigma$ 18/s ± 32000 9999 9999	$\pm 15, 30,$ 60, 300 mV	2RE ANA 4RE BCD 4OP RS2 4OPP RS4	TARA, HOLD, MAX, MIN, RESET... 36 LOGICAL FUNCTIONS SEGMENTS LINEARIZATION 2 ALGORITHMS FILTER
	 ALPHA-T	TEMPERATURE LATCH ALARMS	96x48x120 mm	230/115 VAC 24/48 VAC 10 to 30 VDC	RED LED 14 mm 24 bit $\Delta \Sigma$ 18/s ± 32000	PT100 PT100 (0,01°) PT1000 TC:J,K,R,S,E	2RE ANA 4RE BCD 4OP RS2 4OPP RS4	HOLD, MAX,MIN, RESET... 28 LOGICAL FUNCTIONS OFFSET DISPLAY 10 LEVELS FILTER
	 ALPHA-L	LVTD DISPLACEMENT SENSOR	96x48x120 mm	230/115 VAC 24/48 VAC 10 to 30 VDC	RED LED 14 mm ± 16 bit 16/s ± 32000	0,1 to 999,9 mV / V / mm 3,5 kHz or 5 kHz 1 V or 2,2 V	2RE ANA 4RE BCD 4OP RS2 4OPP RS4	TARA, HOLD, MAX MIN, RESET... 28 LOGICAL FUNCTIONS SEGMENTS LINEARIZATION I/O FOR SYNCHRONISM
	OUTPUTS OPTIONS							
		2RE	4RE	4OP/4OPP	ANA	BCD	RS2	RS4
		2 RELAYS 8A	4 RELAYS 5A	4 OPTOS NPN/PNP	0-10 V or 4-20 mA	BCD PARALLEL	RS 232	RS 485
	ACCESSORIES SOFTWARE							
		ACK 101	14000133	WKOS	DITEL CAPTURE			
		RAIL DIN ADAPTOR	RS 485 to RS 232 CONVERTER	PROGRAMMING SOFTWARE Free on http://www.ditel.es	DATA ACQUISITION SOFTWARE Free on http://www.ditel.es			
















DIGITAL PANEL METERS

	MODEL	DESCRIPTION	SIZE	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
MULTIFUNCTION	 MICRA-M	PROCESS LOAD CELL TEMPERATURE POTENTIOMETER	96x48x60 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	LED 14 mm TRICOLOUR RED GREEN AMBER ±15 bit 20/s ±19999	±10 V, ±20 mA ±15,30,150 mV PT100, J, K, T Pot. 200Ω to 100kΩ	2RE NMA 4RE NMV 4OP RS2 4OPP RS4	TARA, HOLD, MAX, MIN, RESET... 15 LOGICAL FUNCTIONS SEGMENTS LINEARIZATION
	 MICRA-D	COUNTER/TOTAL TACHOMETER/TOTAL FREQUENCYMETER CHRONOMETER	96x48x60 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	LED 14 mm TRICOLOUR RED GREEN AMBER ±99999 F0,01 to 20 kHz	CAP. MAG. NAMUR ENCODER PNP, NPN CONTACT, H.T.	2RE NMA 4RE NMV 4OP RS2 4OPP RS4	OFFSET, HOLD, MAX, MIN, RESET... 13 LOGICAL FUNCTIONS
	 MICRA-E (TRMS)	VOLTMETER AC AMMETER AC VOLTMETER DC AMP METER DC	96x48x60 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	LED 14 mm TRICOLOUR RED GREEN AMBER ±15 bit 20/s ±19999	2,20,200,600 VAC/DC 5 A, 1 A AC/DC 200 mA AC/DC 50,60,100 mVAC/DC	2RE NMA 4RE NMV 4OP RS2 4OPP RS4	MAX MIN RESET 16 LOGICAL FUNCTIONS
FREQUENCY / PULSES INPUT	 JR-TAC JR20TAC	TACHOMETER / TOTAL FREQUENCYMETER	96x48x60 mm	230/115 VAC 24/48 VAC 12VDC, 24VDC 48VDC	RED LED 14 mm RED LED 20mm 9999 F 0,1Hz to 7kHz	CAP. MAG. NAMUR ENCODER PNP, NPN CONTACT, H.T.	2RE	-
	 JR-IMP JR20IMP	COUNTER TOTALIZER 1 CHANNEL	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm RED LED 20mm 9999 F = 4kHz max	CAP. MAG. NAMUR ENCODER PNP, NPN CONTACT	2RE	-
	 PICA-F PICA100-F PICA104-F	TACHOMETER FREQUENCYMETER	48x24x70 mm 48x24x100 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	RED LED 10 mm RED LED 8mm 9999 F0,1 Hz to 7 kHz	CAP. MAG. NAMUR ENCODER PNP, NPN CONTACT, H.T.	2 RELAYS 5A on PICA100/104-F RS 485 on PICA104-F	-
ASCII INPUT	 MICRA-S	ASCII INDICATOR	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm 9999	ASCII	-	-

	OUTPUTS OPTIONS	2RE 2 RELAYS 8A	4RE 4 RELAYS 5 A	4OP/4OPP 4 OPTOS NPN/PNP	NMA 4-20 mA	NMV 0-10 V	RS2 RS 232	RS4 RS 485
	ACCESSORIES/ SOFTWARE	ACK100 RAIL DIN ADAPTOR	14000243 USB TO RS232C ADAPTOR	14000256 USB TO RS485 ADAPTOR	WKOS PROGRAMMING SOFTWARE Free on http://www.ditel.es	DITEL CAPTURE DATA ACQUISITION SOFTWARE Free on http://www.ditel.es		

DIGITAL PANEL METERS

ANALOGUE INPUT

	MODEL	DESCRIPTION	SIZE	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
	JR-PRC JR20PRC	PROCESS POTENTIOMETER	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm ±15 bit 4/s JR ±9999 JR20 -1999/9999	±10 V ±20mA Pot.400Ω to 100kΩ	2RE	-
	PICA-P PICA100-P PICA104-P	PROCESS	48x24x70 mm 48x24x100 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	RED LED 10 mm RED LED 8 mm ±15 bit 4/s -1999/9999	±10 V ± 20 mA ±200 VDC ±20 VDC ±100 mVDC	2 RELAYS 5 A on PICA100/104-P RS 485 on PICA104-P	-
	PICA40-LP	PROCESS	48x24x40 mm	LOOP POWERED 4-20 mA LOOP DROP <5V	RED LED 10 mm 16 bit 2/s -1999/9999	4-20 mA	-	-
	JR-LCC JR20LCC	LOAD CELL	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm ±15 bit 4/s -1999/9999	±30 mV ±300 mV	2RE	TARA
	JR-TPT JR20TPT	TEMPERATURE	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm ±15 bit 2/s -200°C to +800°C 0,1°C/1° °C/°F	RTD PT100	2RE	-
	JR-TTC JR20TTC	TEMPERATURE	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm ±15 bit 3/s -200°C to +1250°C 0,1°C/1° °C/°F	TC: J, K, T	2RE	-
	PICA-T	TEMPERATURE	48x24x70 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	RED LED 10 mm ±15 bit 4/s -200°C to +1250°C	RTD PT100 TC: J, K, T	-	-
	JR-VAC JR20VAC	VOLTMETER AC	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm RED LED 20mm ±15 bit 4/s 9999	600 V 200 V 20 V	2 RE	-
	JR-AAC JR20AAC	AMMETER AC	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm RED LED 20mm ±15 bit 4/s 9999	5 A, 1 A 100 mV, 60 mV	2RE	-
	JR-VDC JR20VDC	VOLTMETER DC	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm RED LED 20mm ±15 bit 4/s -1999/9999	±600 V ±200 V ±20 V	2RE	-
	JR-ADC JR20ADC	AMMETER DC	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm RED LED 20mm ±15 bit 4/s -1999/9999	±5 A, ±1 A ±100 mV, ±60 mV	2RE	-
	JR-RES JR20RES	OHMMETER	96x48x60 mm	230/115 VAC 24/48 VAC 12 VDC, 24 VDC 48 VDC	RED LED 14 mm RED LED 20mm ±15 bit 4/s -1999/9999	999,9 Ohm 9999 Ohm 99,99k Ohm	2RE	-
	PICA-E	VOLTMETER AMMETER AC/DC	48x24x70 mm	85-265 VAC 100-300 VDC 21-53 VAC 10-70 VDC	RED LED 10 mm ±15 bit 4/s -1999/9999	600 VAC, 100 VAC 5 AAC, 1 AAC ±199,9 to ±600,0VDC ±1,999 to ±5,000ADC	-	-
	PICA40-VDC	VOLTMETER DC	48x24x40 mm	8-32 VDC	RED LED 10 mm 14 bit 2/s 8,0V to 32,0V	8 V to 32 V	-	-
	PICA40-ADC	AMMETER DC	48x24x40 mm	8-32 VDC	RED LED 10 mm 14 bit 2/s ±1999	±100 mV	-	-

SYROS

series



TEMPERATURE CONTROLLERS

- PID WITH AUTO-TUNING AND SELF-TUNING
- HEATING AND COOLING CONTROL
- FUZZY LOGIC
- MANY CONTROL AND ALARMS OPTIONS AVAILABLE
- WATERPROOF FRONT DISPLAY IP66

PROCESS AND TEMPERATURE CONTROLLERS



- AUTO-TUNING AND SELF-TUNING
- FUZZY LOGIC
- UNIVERSAL INPUT
- SAMPLING CYCLE 200 ms
- PID CONTROL WITH 8 PALETTES
- MOTORIZED VALVE CONTROL WITH POSITION FEEDBACK
- WATERPROOF FRONT DISPLAY IP66



TEMPERATURE CONTROLLERS

	MODEL	SIZE	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
PID TEMPERATURE CONTROLLERS	 SY24	48x24x97 mm	85 to 265 VAC 24 VAC/DC	RED LED 11mm PV/SV	RTD PT100 TC: J, K, R, B, S, T, E, N, PL 2	RELAYS / PULSES (SSR) 4-20 mA / 1-5 V RE-TRANSMISSION 4-20 mA RS 485	RAMPS 2 DIGITAL INPUTS
	 SY48	48x48x80 mm	85 to 265 VAC 24 VAC/DC	RED LED 13mm (1) GREEN LED 11mm (2) PV (1) /SV (2)	RTD PT100 TC: J, K, R, B, S, T, E, N, PL 2 0-10 V; 0-5 V 1-5 V; 0/4-20 mA	RELAYS / PULSES (SSR) 0-10 V; 0-5 V 1-5 V; 0/4-20 mA RE-TRANSMISSION 4-20 mA RS 485	RAMPS HEATER BURNOUT UP TO 3 ALARMS 2 DIGITAL INPUTS REMOTE SETPOINT
	 SY49	48x96x80 mm	85 to 265 VAC 24 VAC/DC	RED LED 13mm (1) GREEN LED 11mm (2) PV (1) /SV (2)	RTD PT100 TC: J, K, R, B, S, T, E, N, PL 2 0-10 V; 0-5 V 1-5 V; 0/4-20 mA	RELAYS / PULSES (SSR) 0-10 V; 0-5 V 1-5 V; 0/4-20 mA RE-TRANSMISSION 4-20 mA RS 485	RAMPS HEATER BURNOUT UP TO 3 ALARMS 2 DIGITAL INPUTS REMOTE SETPOINT
	 SY96	96x96x80 mm	85 to 265 VAC 24 VAC/DC	RED LED 20mm (1) GREEN LED 12mm (2) PV (1) /SV (2)	RTD PT 100 TC: J, K, R, B, S, T, E, N, PL2 0-10 V; 0-5 V 1-5 V; 0/4-20 mA	RELAYS / PULSES (SSR) 0-10 V; 0-5 V 1-5 V; 0/4-20 mA RE-TRANSMISSION 4-20 mA RS 485	RAMPS HEATER BURNOUT UP TO 3 ALARMS 2 DIGITAL INPUTS REMOTE SETPOINT

PROCESS AND TEMPERATURE CONTROLLERS

	MODEL	SIZE	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
PID TEMPERATURE AND PROCESS CONTROLLERS	 SZ48	48x48x80 mm	85 to 265 VAC 24 VAC/DC	RED LED 13mm (1) GREEN LED 11mm (2) PV (1) / SV (2)	RTD PT100 TC: J, K, R, B, S, T, E, N, 100 mV 0-10 V; 2-10 V; 0-5 V 1-5 V; 0/4-20 mA	RELAYS / PULSES (SSR) 0-10 V; 0-5 V; 1-5 V; 0/4-20 mA RE-TRANSMISSION 0/4-20 mA 0-5 V; 1-5 V; 0-10 V; 2-10 V RS 485 MOTORIZED VALVE	RAMPS HEATER BURNOUT UP TO 3 ALARMS 5 DIGITAL INPUTS 2 DIGITAL OUTPUTS REMOTE SETPOINT
	 SZ49	48x96x80 mm	85 to 265 VAC 24 VAC/DC	RED LED 13mm (1) GREEN LED 11mm (2) PV (1) /SV (2)	RTD PT100 TC: J, K, R, B, S, T, E, N, 100 mV 0-10 V; 2-10 V; 0-5 V; 1-5 V; 0/4-20 mA	RELAYS / PULSES (SSR) 0-10 V; 0-5 V; 1-5 V; 0/4-20 mA RE-TRANSMISSION 0/4-20 mA 0-5 V; 1-5 V; 0-10 V; 2-10 V RS 485 MOT.VALV.WITH PFB	RAMPS HEATER BURNOUT UP TO 3 ALARMS 5 DIGITAL INPUTS 2 DIGITAL OUTPUTS



**ACCESSORIES/
SOFTWARE**

ACS24

RAIL DIN ADAPTER
FOR SY24

1400021

TERMINAL BLOCK PROTECT.
COVER FOR SY/SZ48

40800018

CURRENT
TRANSFORMER 1-30 A

40800019

CURRENT
TRANSFORMER 20-50 A

SYROSOFT

PROGRAMMING
SOFTWARE FOR SZ



CRISTAL

series

LCD COUNTERS

- VERY LOW CONSUMPTION
- VERY COMPACT SIZE
- VOLTAGE PULSES INPUT UP TO 240V AC/DC
- IP65 SEALED FRONT PANEL



INFROS






series

PORTABLE INFRARED THERMOMETER

- ACCURATE NONCONTACT TEMPERATURE MEASUREMENT
- EXTREMELY LIGHTWEIGHT
- LASER SIGHTING WITH NARROW BEAM AIMING FOR ACCURATE READINGS
- PRECISION GLASS OPTICS



LCD COUNTERS

	MODEL	DESCRIPTION	SIZE	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
PULSES INPUT	 KALIA-D	COUNTER TOTALIZER 1 CHANNEL INPUT	48x48x90 mm	85 - 265 VAC 10 - 30 VDC	LCD 7 mm (1) LCD 4 mm (2) 999999 (1) / 999999 (2) AC INPUT = 25 Hz max DC OUTPUT = 1 KHz max	10 V to 260 V AC / DC	1 RELAYS 2 RELAYS	-
	 DELTA-D	COUNTER BATCHES TOTALIZER 2 CHANNELS INPUT	48x48x90 mm	115 / 230 VAC 24 / 48 VAC 10 - 30 VDC	LCD 7 mm (1) LCD 4 mm (2) 999999 (1) 99999999 (2) F = 10 kHz max	CONTACT NPN, PNP, NAMUR ENCODER	2 RELAYS 2 NPN RS 485	QUADRATURE A-B, A+B
FREQUENCY INPUT	 DELTA-F	TACHOMETER COUNTER BATCHES	48x48x90 mm	115 / 230 VAC 24 / 48 VAC 10 - 30 VDC	LCD 7mm (1) LCD 4 mm (2) 999999 (1) 999999 (2) F = 40 kHz max	CONTACT NPN, PNP NAMUR ENCODER	2 RELAYS 2 NPN RS 485	-
TIME COUNTERS	 KALIA-D	TIME COUNTER CHRONOMETER	48x48x90 mm	85 - 265 VAC 10 - 30 VDC	LCD 7 mm (1) LCD 4 mm (2) 999999 (1) 999999 (2)	10 V to 260 V AC / DC	1 RELAYS 2 RELAYS	-
	 DELTA-H	TIME COUNTER CHRONOMETER	48x48x90 mm	115 / 230 VAC 24 / 48 VAC 10 - 30 VDC	LCD 7 mm (1) LCD 4 mm (2) 999999 (1) 99999999 (2)	CONTACT NPN, PNP NAMUR ENCODER	2 RELAYS 2 NPN RS 485	CYCLIC COUNTER

INFROS series

PORTABLE INFRARED THERMOMETER

	MODEL	DESCRIPTION	POWER SUPPLY	DISPLAY	INPUTS	OUTPUTS	FUNCTIONS
	IF201	THERMOMETER	9 V BATTERY	LCD -32°C to 420°C	EMISSIVITY = 0.95	OPTICAL RESOLUTION 20:1	MAX MIN

KOS series

SIGNAL ISOLATORS

CONVERTERS

PROGRAMMABLE CONVERTERS

ISOLATION UP TO 4kV

USB PROGRAMMING

SPACE SAVING COMPACT DESIGN: WIDTH 6.2 mm

UNIVERSAL AND DEDICATED INPUTS



DITEL 

PROGRAMMABLE CONVERTERS

	MODEL	DESCRIPTION	SIZE	POWER SUPPLY	ISOLATION	INPUTS	OUTPUTS	CONFIG.
LOOP ISOLATORS	 KOS526	ISOLATOR	90x93x6,2 mm	INPUT LOOP	1,5 kV 2 WAYS	0/4-20 mA SINK	0/4-20 mA SOURCE	FIXED
	KOS568	ISOLATOR	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	4-20 mA SINK	4-20 mA SOURCE	FIXED
	 KOS1010	ISOLATOR	60x60x21 mm	OUTPUT LOOP	0,5 kV 2 WAYS	4-20 mA SOURCE	4-20 mA SINK	FIXED
	KOS1020	ISOLATOR	60x60x12,5 mm	INPUT / OUTPUT LOOP	0,5 kV 2 WAYS	4-20 mA SINK	4-20 mA SINK	FIXED
	KOS1200	SIGNAL SPLITTER	60x75x12,5 mm	INPUT / OUTPUT LOOP	0,5 kV 2 WAYS	4-20 mA SINK	2x (4-20 mA) SINK	FIXED
SIGNAL CONVERTERS	 KOS517	SIGNAL CONVERTER	80x84x17,5 mm	24V to 240V AC/DC	4,0 kV 3 WAYS	0-500 mV; 0-20 V; 0/4-20 mA; ±5 mA; ±20 mA	0-10 V 0/4-20 mA	SWITCH
	KOS540	AC/DC CONVERTER	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	0-1 A; ±1 A AC/DC	0-10 V 0/4-20 mA	SWITCH
	KOS541	AC/DC CONVERTER	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	0-5 A; ±5 A AC/DC	0-10 V 0/4-20 mA	SWITCH
	 KOS569	SIGNAL CONVERTER	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	0-10 V; 0/4-20 mA	0-10 V 0/4-20 mA	SWITCH
	KOS901	mV CONVERTER	90x93x6,2 mm	24V AC/DC	1,5 kV 3 WAYS	0-60 mVDC	0-10 VDC	FIXED
RAIL DIN TEMPERATURE CONVERTERS	 KOS816	TEMPERATURE CONVERTER	80x84x17,5 mm	24 VDC	4,0 kV 3 WAYS	PT100 -50/+50, +100, +150 0/+100, +150, +200, +300, +400°C	0-10 V 0/4-20 mA	SWITCH
	KOS829	TEMPERATURE CONVERTER	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	PT100 -50/+150°C 0/+100°C 0/+200°C	0-10 V 0/4-20 mA	SWITCH
	 KOS879	TEMPERATURE CONVERTER	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	TC "J" -50/+200°C 0/+400°C 0/+600°C	0-10 V 0/4-20 mA	SWITCH
	KOS889	TEMPERATURE CONVERTER	90x115x6,2 mm	24 VDC	1,5 kV 3 WAYS	TC "K" -50/+200°C 0/+400°C 0/+600°C	0-10 V 0/4-20 mA	SWITCH
USB PROGRAMMABLE CONVERTERS	 KOS1603P	PROG. TEMP. CONVERTER	90x57x17,5 mm	OUTPUT LOOP	0,5 kV 2 WAYS	PT100	4-20 mA SINK	USB + KOSUSB
	KOS1603TC	PROG. TEMP. CONVERTER	90x57x17,5 mm	OUTPUT LOOP	0,5 kV 2 WAYS	TC: E,J,K,N,R,S,T,mV	4-20 mA SINK	USB + KOSUSB
	 KOS1610	PROG. UNIV. CONVERTER	90x57x17,5 mm	OUTPUT LOOP	0,5 kV 2 WAYS	PT100; mA; mV; TC: E,J,K,N,R,S,T	4-20 mA SINK	USB
	KOS1620	PROG. UNIV. CONVERTER	90x57x17,5 mm	15 to 28 VDC	0,5 kV 2 WAYS	PT100; mA; mV; TC: E,J,K,N,R,S,T	0-10 V; 2-10 V; 0-5 V; 1-5 V; 0-1 V	USB
	KOS1700	PROG. UNIV. CONVERTER	120x100x22,5 mm	20 to 265V AC/DC	0,5kV(I/O) 3 WAYS 3,75kV(PWR/REL)	TC:E,J,K,N,R,S,T,I,B,U,C,D,G PT100,Ni,Cu,V,mV,mA,POT	0/4-20mA; 0-10V; 2 RELAYS 1A@250V	USB
PROGRAMMABLE IN-HEAD CONVERTERS	 KOS203P	PROG. TEMP. CONVERTER	D 43 x 21 mm	OUTPUT LOOP	-	PT100	4-20 mA SINK	PUSH BUTTON
	KOS203TC	PROG. TEMP. CONVERTER	D 43 x 21 mm	OUTPUT LOOP	0,25 kV 2 WAYS	TC: E,J,K,N,R,S,T,mV	4-20 mA SINK	PUSH BUTTON
	 KOS206P	PROG. TEMP. CONVERTER	D 43 x 21 mm	OUTPUT LOOP	-	PT100	4-20 mA SINK	USB + KOSUSB
	KOS206TC	PROG. TEMP. CONVERTER	D 43 x 21 mm	OUTPUT LOOP	0,25 kV 2 WAYS	TC: E,J,K,N,R,S,T,mV	4-20 mA SINK	USB + KOSUSB
MISCELLANEOUS	 KOS1630	DUAL RELAY OUTPUTS	90x57x17,5 mm	24 VDC	0,5 kV 2 WAYS	PT100; mA; mV; TC: E,J,K,N,R,S,T	2 x RELAYS 1A@250 V	USB
	KOS1300	POWER SUPPLY MODULE	60x60x21 mm	90 to 253 VAC	2,5 kV I/O	-	24 V@250 mA	-
	 KOSUSB	PROGRAMMING INTERFACE	-	-	2,5 kV	FOR KOS206 AND KOS1603	FOR KOS206 AND KOS1603	USB
	USBLINK	CONFIGURATION SOFTWARE	-	-	-	-	-	-

DINOS

series




















LARGE DISPLAYS


- INDICATORS FOR PROCESS, TEMPERATURE, HUMIDITY, BCD CONTROL, COUNTER, CHRONOMETER...
- ETHERNET, PROFIBUS AND WIFI CONNECTION DISPLAYS
- READING DISTANCE UP TO 100 m.
- REAL TIME CLOCK
- TEMPERATURE AND HUMIDITY INDICATORS WITH INCORPORATED PROBE
- 57, 100, 180 OR 250 mm HIGH DIGITS







LARGE DISPLAYS

	MODEL	DIGITS	UNITS	SIZE	POWER SUPPLY	IP PROTECTION	INPUTS	OUTPUTS
PROCESS	 DN 109/AP	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT +96 mm	3 DIGITS 210x122x120 mm 5 DIGITS 288x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	±10 V ±20 mA	2 RELAYS RS 232 RS 485
	 DN 119/AP	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT +180 mm	3 DIGITS 324x177x120 mm 5 DIGITS 504x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	±10 V ±20 mA	2 RELAYS RS 232 RS 485
	 DN 189/AP	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT +320 mm	3 DIGITS 500x251x120 mm 5 DIGITS 820x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	±10 V ±20 mA	2 RELAYS RS 232 RS 485
	 DN 129/AP	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	3 DIGITS 750x366x120 mm 5 DIGITS 1220x366x120 mm	100 - 240 VAC 24 VDC	IP 41	±10 V ±20 mA	2 RELAYS RS 232 RS 485
TEMPERATURE	 DN 109/AT	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT +96 mm	3 DIGITS 210x122x120 mm 5 DIGITS 288x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PT100 TC: J, K, T	2 RELAYS RS 232 RS 485
	 DN 119/AT	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT +180 mm	3 DIGITS 324x177x120 mm 5 DIGITS 504x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PT100 TC: J, K, T	2 RELAYS RS 232 RS 485
	 DN 189/AT	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT +320 mm	3 DIGITS 500x251x120 mm 5 DIGITS 820x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PT100 TC: J, K, T	2 RELAYS RS 232 RS 485
	 DN 129/AT	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	3 DIGITS 750x366x120 mm 5 DIGITS 1220x366x120 mm	100 - 240 VAC 24 VDC	IP 41	PT100 TC: J, K, T	2 RELAYS RS 232 RS 485
TEMPERATURE AND HUMIDITY	 DN 109/TH	HEIGHT = 57 mm 1 or 2 SIDES TRICOLOUR (C)	LEDS	5 DIGITS 288x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PROBE INCLUDED	2 RELAYS RS 232 RS 485
	 DN 119/TH	HEIGHT = 100 mm 1 or 2 SIDES HIGH LUMINOSITY(h) TRICOLOUR (C)	LEDS	5 DIGITS 504x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PROBE INCLUDED	2 RELAYS RS 232 RS 485
	 DN 189/TH	HEIGHT = 180 mm 1 or 2 SIDES HIGH LUMINOSITY(h)	LEDS	5 DIGITS 820x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PROBE INCLUDED	2 RELAYS RS 232 RS 485
	 DN 129/TH	HEIGHT = 250 mm 1 or 2 SIDES	LEDS	5 DIGITS 1220x366x120 mm	100 - 240 VAC 24 VDC	IP 41	PROBE INCLUDED	2 RELAYS RS 232 RS 485
	 DN 119/2TH	HEIGHT = 100 mm 1 or 2 SIDES 2 LINES	VINYL °C / %	3 + 2 DIGITS 520x320x60 mm	100 - 240 VAC	IP 41	PROBE INCLUDED	RS 485 ETHERNET WIFI
COUNTER CHRONOMETER TACHOMETER, BCD	 DN 109/P	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT +96 mm	3 DIGITS 210x122x120 mm 10 DIGITS 526x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	BINARY BCD PULSES	2 RELAYS (counter, chronometer) RS 232 RS 485
	 DN 119/P	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT +180 mm	3 DIGITS 324x177x120 mm 10 DIGITS 954x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	BINARY BCD PULSES	2 RELAYS (counter, chronometer) RS 232 RS 485
	 DN 189/P	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT +320 mm	2 DIGITS 340x251x120 mm 10 DIGITS 1620x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	BINARY BCD PULSES	2 RELAYS (counter, chronometer) RS 232 RS 485
	 DN 129/P	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	2 DIGITS 515x266x120 mm 10 DIGITS 2395x366x120 mm	100 - 240 VAC 24 VDC	IP 41	BINARY BCD PULSES	2 RELAYS (counter, chronometer) RS 232 RS 485

MULTIFUNCTION CLOCK

	MODEL	TIME SETTING BY FM-RDS	TEMPERATURE HUMIDITY	POWER SUPPLY	RS CONNECTION	IP PROTECTION
	DR 105	DR 105/A DR 105e/A	DR 105/TH DR 105e/TH	85 - 256 VAC	DR 105/X DR 105e/X	IP 41 (in) IP 65 (out)

LARGE DISPLAYS

	MODEL	DIGITS	UNITS	SIZE	POWER SUPPLY	IP PROTECTION	INPUTS	
ASCII		DN 109/X	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT + 96 mm	3 DIGITS 210x122x120 mm 10 DIGITS 526x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	RS 232 RS 485
		DN 119/X	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT + 180 mm	3 DIGITS 324x177x120 mm 10 DIGITS 954x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	RS 232 RS 485
		DN 189/X	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT + 320 mm	2 DIGITS 340x251x120 mm 10 DIGITS 1620x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	RS 232 RS 485
		DN 129/X	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	2 DIGITS 515x366x120 mm 10 DIGITS 2395x366x120 mm	100 - 240 VAC 24 VDC	IP 41	RS 232 RS 485
PROFIBUS DP		DN 109/NP	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT + 96 mm	3 DIGITS 210x122x120 mm 10 DIGITS 526x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PROFIBUS
		DN 119/NP	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT + 180 mm	3 DIGITS 324x177x120 mm 10 DIGITS 954x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PROFIBUS
		DN 189/NP	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT + 320 mm	2 DIGITS 340x251x120 mm 10 DIGITS 1620x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	PROFIBUS
		DN 129/NP	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	2 DIGITS 515x366x120 mm 10 DIGITS 2395x366x120 mm	100 - 240 VAC 24 VDC	IP 41	PROFIBUS
ETHERNET		DN 109/NE	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT + 96 mm	3 DIGITS 210x122x120 mm 10 DIGITS 526x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	ETHERNET
		DN 119/NE	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT + 180 mm	3 DIGITS 324x177x120 mm 10 DIGITS 954x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	ETHERNET
		DN 189/NE	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT + 320 mm	2 DIGITS 340x251x120 mm 10 DIGITS 1620x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	ETHERNET
		DN 129/NE	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	2 DIGITS 515x366x120 mm 10 DIGITS 2395x366x120 mm	100 - 240 VAC 24 VDC	IP 41	ETHERNET
WIFI		DN 109/NW	HEIGHT = 57 mm TRICOLOUR (C) 1 or 2 SIDES	VINYL OR LEDS TEXT + 96 mm	3 DIGITS 210x122x120 mm 10 DIGITS 526x122x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	WIFI
		DN 119/NW	HEIGHT = 100 mm TRICOLOUR (C) HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL OR LEDS TEXT + 180 mm	3 DIGITS 324x177x120 mm 10 DIGITS 954x177x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	WIFI
		DN 189/NW	HEIGHT = 180 mm HIGH LUMINOSITY(h) 1 or 2 SIDES	VINYL TEXT + 320 mm	2 DIGITS 340x251x120 mm 10 DIGITS 1620x251x120 mm	100 - 240 VAC 24 VDC	IP 41 IP 65 (e)	WIFI
		DN 129/NW	HEIGHT = 250 mm 1 or 2 SIDES	VINYL TEXT + 470 mm	2 DIGITS 515x366x120 mm 10 DIGITS 2395x366x120 mm	100 - 240 VAC 24 VDC	IP 41	WIFI