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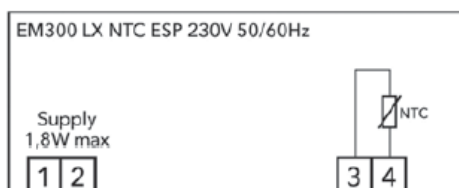
THERMOMETER EM300 LX NTC ESP METROLOGICAL CERTIFICATE BY ITC 3701/2006 – RD 889/2006



MODEL	CODE
EM300 LX NTC ESP	TM10D00X0D701

DESCRIPTION

Thermometer for temperature measurement metrological regulatory compliance.
Power supply 230Vac
Input for NTC probe (probe including 3 meters).
Configuration parameters for easy use



TECHNICAL DATA EM300 LX NTC ESP

Dimensions	front panel 32x74 mm, depth 30 mm
Installation	panel mounting with 71x29 mm (+0.2/-0.1 mm)
Container	PC+ABS UL94 V-0 plastic resin casing
Display range	• NTC probe: -50...110°C
Measuring range checked	-30 a + 30
Display	3 and a half digits + sign
Analogue inputs	1 NTC (probe included)
Accuracy	better than 0.5% of end ofscale + 1 digit
Resolution	0'1°C
Power supply	230Vac ±10% 50/60Hz
Front Protection	IP65
Instrument Protection	IP20

THERMOMETER EM300

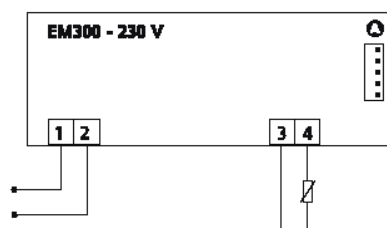


MODEL	CODE
EM300 PTC/NTC 230V*	TM10D00X0D701

* Other power supplies. see

DESCRIPTION

NTC / PTC Input configurable parameter
Accuracy: better than 0.5% of full scale + 1 digit
Configuration parameters for easy use
Map of configuration parameters for decimal point, °C or °F, probe type inputs, etc..
TTL connection to CopyCard
Connections for screw terminal blocks up to 2.5 mm² conductors



TECHNICAL DATA EM300

Dimensions	front panel 32x74 mm, depth 30 mm
Installation	panel mounting with 71x29 mm (+0.2/-0.1 mm)
Container	PC+ABS UL94 V-0 plastic resin casing
Display range	• NTC probe: -50...110°C • PTC probe: -55...140°C
Display	Decimal point selectable by parameter 3 and a half digits + sign
Analogue inputs	1 NTC or PTC*
Measurement range	de -55 to 140 °C
Accuracy	better than 0.5% of end of scale + 1 digit
Resolution	1 or 0'1°C
Power consumption	230Vac ±10% 50/60Hz Other power supplies, see
Front Protection	IP65

* (selectable by parameter).

EM300 LX TEMPERATURE, HUMIDITY AND PRESSURE INDICATORS



MODEL	CODE
EM300 LX PTC/NTC 230V	TM10C00X0D700
EM300 LX PT/TC 230V	TM10Z00X0M700
EM 300 I Neutro LX	TM10I00X0M700

Other power supplies, see
There is voltage input model 0/10V

FEATURES

The **EM300 LX** is a device for measuring temperature, humidity and pressure in commercial refrigeration and industrial applications.

PC+ABS UL94 V-0 plastic resin casing, polycarbonate display window, thermoplastic resin buttons

panel mounting with 71x29 mm (+0.2/-0.1 mm) drilling template

Operating temperature -5...55°C

Storage temperature -30...85°C

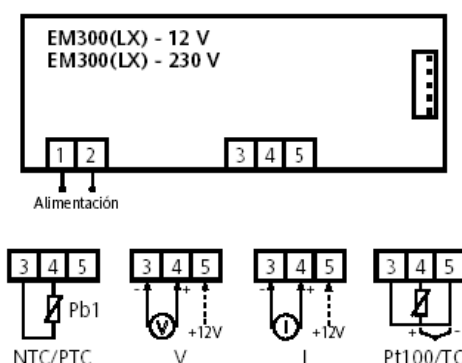
Ambient humidity for operation and storage 10...90% RH (non-condensing)

TECHNICAL DATA

	EM300 LX PTC/NTC	EM300 LX I	EM300 LX Pt100/TCJ/TCK
Display range	• NTC probe: 50,0...110,0°C • PTC probe: -55,0...140,0°C	• -999...1000	• Pt100 probe: -200...800°C • TCJ probe: -40...760°C • TCK probe: -40...1350 °C
Display	no decimal point * 3 and a half digits + sign	no decimal point * 3 and a half digits + sign	no decimal point * 3 and a half digits + sign
Analogue inputs	1 PTC or NTC *	1 (0-1 V, 0-5 V, 0-10 V) 1 (0-20 mA, 4-20 mA)	1 PT100 / TC*
Measurement range	from -55 to 140°C	from -999 to 1000	the probe
Accuracy	better than 0.5% of end of scale + 1 digit	better than 0.5% of end of scale + 1 digit	Pt100: 0,5% / 0,2% from -150 to 300°C TCJ: 0,4% TCK: 0,5% / 0,3% from -40 to 800°C
Resolution	1 or 0,1°C	1 or 0,1°C	Pt100: 0.1°C up to 199.9, 1°C TCJ y TCK: 1°C
Power consumption	• 230Vac model: 1,8 W max	• 230Vac model: 1,8 W max	• 230Vac model: 1,8 W max
Power supply	230Vac ±10% 50/60Hz	230Vac ±10% 50/60Hz	230Vac ±10% 50/60Hz
Dimensions	74 x 32 x 30 mm	74 x 32 x 30 mm	74 x 32 x 30 mm
Connections	TTL port for connection to Copy Card and TelevisSystem (user Bus Adapter 350)	TTL port for connection to Copy Card and TelevisSystem (user Bus Adapter 350)	TTL port for connection to Copy Card and TelevisSystem (user Bus Adapter 350)

*(selectable by parameter).

WIRING DIAGRAMS



EWTL300 EWTL310 LCD THERMOMETERS DST30 THERMOMETER INTEGRATED SOLAR CELLS



MODEL	CODE
EWTL300	T1M1BT0100
EWTL310	T1M1BT0101
DST30	T1M1BT0105

TECHNICAL DATA

	EWTL300	EWTL310	DST30
Display	LCD with 2 and 1/2 digits	LCD with 2 and 1/2 digits	LCD with 2 and 1/2 digits
Resolution	0.1°C	1°C	0.1°C
Accuracy	±1°C from 0 to 40°C	±1°C from 10 to 50°C	±1°C
Probe	connected to instrument, cable length 1.5 m	connected to instrument, cable length 1.5 m	connected to instrument, cable length 1 m
Display range	-20.0...70.0°C	-40...109°C	-20...80°C
Dimensions	front panel 48x28.6 mm depth 13.5 mm	front panel 62x30 mm depth 19 mm	front panel 66x30 mm depth 11.6 mm
Power supply	one 1.5 V LR 44 battery or equivalent duration 12 months	one 1.5 V LR 44 battery or equivalent duration 12 months	integrated solar cells