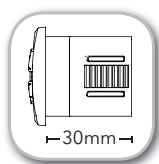


EM300 LX

Temperature, humidity, pressure indicators



Codes	Description	Probe*	Power supply
TM10D00X0D700	EM300 LX	NTC/PTC	230V~
TM10Z00X0M700	EM300 LX	Pt100/TC	230V~
TM10I00X0M700	EM300 LX I	4...20mA/0...20mA	230V~
TM10Z00X0M400	EM300 LX	Pt100/TC	12...24V~/12...36V~
TM10D00X0D300	EM300 LX	NTC/PTC	12V~
TM10I00X0M300	EM300 LX I	4...20mA	12V~

*selectable by parameter

Applications

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

Common features

Container	PC+ABS UL94 V-0 plastic resin casing, polycarbonate display window, thermoplastic resin buttons	Installation	panel mounting with 71x29mm drilling template (+0.2/-0.1mm)
Dimensions	front panel 32x74mm, depth 30mm (no terminals); 'switching' models: depth 59mm	Operating temperature	-5...55°C
		Storage temperature	-30...85°C
		Ambient humidity for use and storage	10...90% RH (non-condensing)

Technical data

	EM300 LX PTC/NTC	EM300 LX V/I	EM300 LX Pt100/TCJ/TCK
Display range:	<ul style="list-style-type: none"> • NTC probe: -50.0... 110.0°C • PTC probe: -55.0... 140.0°C 	<ul style="list-style-type: none"> • -99... 100 * • -99.9... 100.0 * • 999... 1000 * 	<ul style="list-style-type: none"> • 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 NTC or PTC *	1 voltage input (0-1V, 0-5V, 0-10V) 1 current input (0-20mA, 4-20mA)	
Measurement range:	from -55 to 140°C	from -999 to 1000	
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 a 300°C TCJ: 0.4% TCK: 0.5% / 0.3% from -40 a 800°C
Resolution:	1 or 0.1°C	1 or 0.1°C	Pt100: 0.1°C up to 199.9, 1°C TCJ and TCK: 1 °C
Power consumption:	<ul style="list-style-type: none"> • 230V~ model: 1.8 W max • 12V~model: 0.5 W max • 12...24V~model: 3 W max 	<ul style="list-style-type: none"> • 230V~ model: 1.8 W max • 12V~model: 0.5 W max 	<ul style="list-style-type: none"> • 230V~ model: 1.8 W max • 12V~model: 0.5 W max • 12...24V~model: 3 W max
Power supply:	<ul style="list-style-type: none"> • 230V~ ±10% 50/60 Hz • 12V~ ±10% 50/60 Hz • 12...24V~/±10% 50/60 Hz 	<ul style="list-style-type: none"> • 230V~ ±10% 50/60 Hz • 12V~/±10% 50/60 Hz 	<ul style="list-style-type: none"> • 230V~ ±10% 50/60 Hz • 12V~ ±10% 50/60 Hz • 12...24V~/12...36V~ ±10% 50/60Hz
Connections:	TTL port for connection to Copy Card and TelevisSystem **	TTL port for connection to Copy Card and TelevisSystem **	TTL port for connection to Copy Card and TelevisSystem **

* selectable by parameter ** use BusAdapter 150 only

Wiring diagrams

