

Measurement indicators

Applications:

The range of PARATRONIC display unit show values from a 4-20 mA signal using LED technology. Simple automatic systems may be controlled using the integrated relay outputs.

Simple and effective:

From the model self-powered from the loop (IMRauto) which allows an on-off output to be activated, up to the relay (IM3RS) supplying power to the loop, offering an output measurement signal repeater and the management of 3 outputs relays (6 thresholds), PARATRONIC displays are easily configurable using the 3 buttons on their front panel.

Reliable and upgradeable:

4-digit, 7-segment displays, plug-in connectors, reading accuracy (0.1%), DIN rail mounting and varied marking of units as an option. The entire range of PARATRONIC displays is designed for severe operating conditions and comes with a 2-year warranty including lightning risks.

Available:

- Large stock of all models.
- Constant technical availability to meet your requirements.



C108A-0719

C108A-0719	IMR AUTO	IMR	IM3R	IMRS	IM3RS
Power supply	Self-powered from the measurement loop	SELV type, 12 or 24 V DC or V AC			
Power	NA	240mA	310mA	320mA	400mA
Measurement input	4/20mA passive	4/20mA active or passive according to wiring			
Measurement output	No			Yes: 4/20mA active (copied from input)	
Permissible input voltage	Max. permissible voltage on 4/20 mA: 48V DC				
Voltage delivered to measurement input	0V	24V DC			
Voltage delivered to measurement output	NA			22V DC	
Voltage drop over measurement input	5V DC max	1.5V DC at 20mA			
Display	Red LED 14mm - 4 digits - configurable from -1999 to 9999				
Relay output	1 signalling fault	3 signalling faults	1 signalling fault	3 signalling faults	
Contact- 30V DC / 2A - configurable)	or start and stop thresholds	or start and stop thresholds	or start and stop thresholds	or start and stop thresholds	
Accuracy at 25°C	<± 0.1% ±1 digit				
Warm-up time	From power-on < 2s				
Response time	Measurement refresh time < 1s				
Operating temperature	-20°C to +60°C				
Storage temperature	-20°C to +60°C				
Lightening shock strength	Wave 8/20 - 1,2/50 : 2kV				
Fast transients	Level 4				
Standards: (CE marking)	EN 61326-1, Immunity: Industrial environment, Emission: Class B, EN 60950-1, EN 62479, EN 50581				
Protection rating	IP54 integrated in cabinet front panel (IP20 on DIN rail)				
Installation	Integrated on panel: thickness 1 to 5 mm - Option: DIN rail fixing kit (~ 5½ modules)				
Material	Fibreglass-reinforced Noryl SE1 GFN2				
Dimensions (mm)	L96 x H48 x D76	L96 x H48 x D123			
Weight(g)	~133	~235			
Warranty	2 years including lightning risks (1)				

(1)Protection of 4/20mA loops with a PRO TAS30 and power supplies with a PRO TAS3016A is essential.

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