



## **APM489-4.5 Digit Process Indicator**

- Seismic S2 qualified
- (Panels tested to withstand 0.25g (25m/s<sup>2</sup>) at 33Hz)
- Suitable for use in SIL1 & SIL2 rated (IEC61508) safety instrumented system (SIS) loop applications, as 1001 architecture (HFT:0)
- Up to 4.5 Digit (20 mm) RED LED high-brightness Display.
- Non-Smart/Non-microprocessor based unit (Analogue/Digital Technology)
- Display can be rescaled using jumpers & Zero/Span trim pots behind bezel.
- Standard 115 / 230Vac supply (24Vdc/48Vdc supply options available)
- 0.01% measurement Accuracy
- High stability & low cost
- 24Vdc Excitation output available as standard on AC supply models ('M' option on DC supply models)
- Grey (RAL7032) Front Bezel option available

## **Technical Specifications**



Zero Adjust Pot

Jumper

::::

::::

Section

5

6

7

8

48.0

DC 24V

Exc Output

PLEASE DO NOT ADJUST THIS POT

Span Adjust Pot

Display Range

9000 ~ 6250

6250 ~ 4250

4250 ~ 3000

3000 ~ 2000

k

Wiring Diagram:

LACI15V.

DC24/48V -

C230\

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6

**Adjustments & Jumper Positions:** 

Input Range	Input Impedance	Input Range	Input Impedance			J.A	
Voltage 0-10V	≥ 1M ohm	Current 0(4)~20	250 ohm				
Other Input range options available on request. (TC / RTD/ mV / Hz / Special)						$\square$	
Overload:	Voltage: 1	Voltage: 1.2 x rated continuous				a	
		1.5 x rated for 10 seconds					
	Current: 1	0 x rated for 10 seco	onds				
Calibration:		Span adjustment ≤10% of Span Zero adjustment ≤2& of Span		Display Range section	Jumper for decimal point		
Desimal Bainty	Sottable to	any digit position		Section	Jumper	Displa	
Decimal Point:	Sellable lo	Settable to any digit position		1	::	19999	
Display LED:	up to 4.5 di	up to 4.5 digits, 0.8" (20.0mm) Red high-brightness		2	:::	17250	
Display Range:		0000 ~ 19999 as std (Default 00.00 to 100.00%)		3	::::	13000	
	(-ve going /	bi-polar scale range	s also available)	4	::::	12000	
Measuring Accura	teasuring Accuracy: ±0.01% full scale - DC V/I input ranges   (<±0.1% full scale other RTD/TC/AC I/Hz optional input			ut ranges)			
Input O/C Respon	se: 0000 or -25	0000 or -25% Calibrated Display Range (Optional)			Decimal Point Jumper:		
Response Time:	≤100 mSec.						
Over Range:	"0000" flasł	"0000" flash		Dimensions (mm):			
Operating Temp:	-10 to +60 °	-10 to +60 °C					
Relative Humidity	<u>:</u> 20 - 95% R	20 - 95% R.H. (Non-Condensing)					
Temp. Coefficient		≤50 PPM/℃ (23 ± 3℃) ≤100 PPM/℃ (0 ~ 50℃)		FR	FRONT VIEW		
Storage Temp:	-10 to +70 °	-10 to +70 °C		<b>⊲</b> 96.0			
Power Supply:		AC: 115/230V ±10, 50/60 Hz Option: DC 12V, 24V, 48V ±10%			PANEL CUT-OUT		
Power Consumpti	on: DC: 3W, AG	C: 4.5VA					
Dielectric Strengt	h: AC 2.0 KV	AC 2.0 KV for 1 min. (between Power / Input)			Q 93.0 m		
Weight:	≤370g			TH	H		

## IP Rating:

Note:

Standard IP50 (IP66 Front Water tight clear Rubber cover available)

Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to continuous vibration.

## (IP66 front rubber covers may be considered to act as extra shock absorbers in Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735 AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ

IN

Display Range

19999 ~ 17000

17250 ~ 13000

13000 ~ 9000

12000 ~ 8250

3

GND

INPUT

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high vibration applications).