

050 Series Unifix Indicators



An extensive range of shortscale and longscale meters in 94mm, 129mm and 181mm bezel sizes. Meters utilise taut band mechanisms and provide 1.5% accurate measurement of a wide range of individual electrical parameters. Options include intrinsically safe and meter relay versions and supplementary red pointer, slave pointer, calibration for non-standard ambient temperatures, special scales, trim potentiometers, etc.

Features

- An extensive range in 3 case sizes
- Rugged Hi-Q taut-band suspension
- Meter relay version
- Contoured window providing an exceptionally high viewing angle

Benefits

- Complies with BS EN 60051 (IEC51)
- IP54 (NEMA 3) protection with IP55 (NEMA 4) option
- Customised options and features

Applications

- Switchgear
- Distribution systems
- Generator sets
- Control panels
- Energy management
- Utility power monitoring
- Process control
- Motor control

Approvals

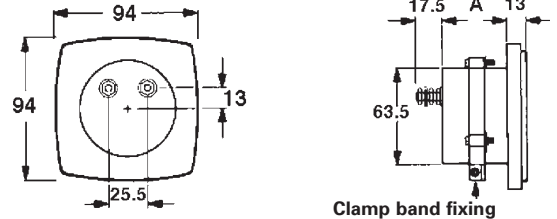
- ISSeP approvals
- Intrinsically safe options to EEx ia 11C T4 for inputs of 0/1, 0/5, 0/10, 0/20 & 4/20mA only

Specification

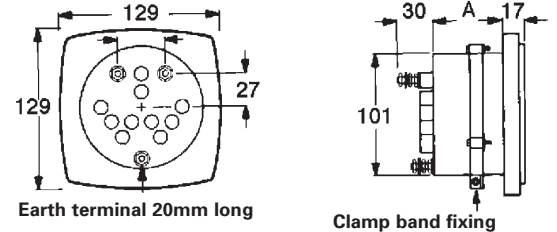
Performance	BS EN60051 (IEC51)
Accuracy	Class 1.5
Enclosure Code	Standard: IP55 (NEMA 4) Option: IP55 (NEMA 4)
Case	Models 057 and 058: Heavy gauge pressed steel Model 056: Grey thermoplastic flame retardant to UL94V-0
Front	One piece flame retardant polycarbonate
Bezel	Matt black
Bezel Window	Contoured to minimize reflection
Ambient Temp.	10°C to +60°C (50°F to 140°F)
Standard Calibration	23°C (73°F)
Fixing on Panel	Single hole fixing with clamp band
Approvals	EMC and LVD. ISSeP approvals Intrinsically safe options to EEx ia 11C T4 for inputs of 0/1, 0/5, 0/10, 0/20 & 4/20mA only

Dimensions

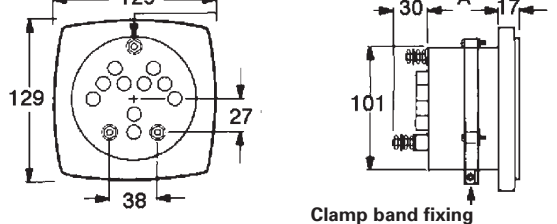
Model 056 Short & Long Scales
Panel cut-out Ø 65mm.



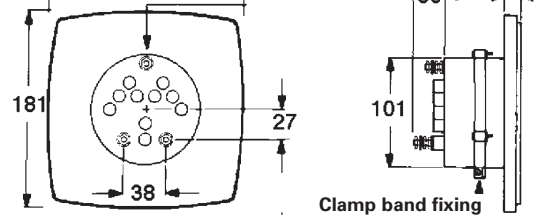
Model 057 Short Scale
Panel cut-out Ø 103mm.



Model 057 Long Scale & Meter Relay
Panel cut-out Ø 103mm.



Model 058 Long Scale
Panel cut-out Ø 103mm.



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Product Range

Type of Instrument	Ranges	Case Code Dimension A (mm)			Product Code
		056	057	058	
A.C. Ammeter Moving Iron	0.5-30A, 50, 60 or 400Hz	41	-	-	056-02A
A.C. Ammeter Moving Iron Shortscale	0.5-30A, 50, 60 or 400Hz	-	56	-	057-02A
A.C. Ammeter Moving Iron Longscale	0.5-30A, 50, 60 or 400Hz	41	86	86	056-03A & 057/058-08A
A.C. Voltmeter Moving Iron	10-600V, 50, 60 or 400Hz	41	-	-	056-02V
A.C. Voltmeter Moving Iron Shortscale	10-600V, 50, 60 or 400Hz	-	56	-	057-02V
A.C. Voltmeter Moving Iron Longscale	10-600V, 50, 60 or 400Hz	41	86	86	056-03V & 057/058-08V
D.C. Ammeter	100µA-30A D.C.	41	-	-	056-01A
D.C. Voltmeter Shunt Operated	50, 60, 75, 100, 150mV	41	-	-	056-01A
D.C. Ammeter Shortscale	200µA-30A D.C.	-	56	-	057-01A
D.C. Voltmeter Shortscale Shunt Operated	50, 60, 75, 100, 150mV	-	56	-	057-01A
D.C. Ammeter Longscale	200µA-30A D.C.	41	86	86	056/057/058-05A
D.C. Voltmeter Longscale Shunt Operated	50, 60, 75, 100, 150mV	41	86	86	056/057/058-05A
D.C. Ammeter, Suppressed Zero Short Scale	4/20mA	41	-	-	056-01R
D.C. Ammeter, Suppressed Zero Short Scale	4/20mA	-	56	-	057-01R
D.C. Ammeter, Suppressed Zero Long Scale	4/20mA	41	86	86	056/057/058-05R
D.C. Voltmeter	50mV-600V D.C.	41	-	-	056-01V
D.C. Voltmeter Shortscale	50mV-600V D.C.	-	56	-	057-01V
D.C. Voltmeter Longscale	50mV-600V D.C.	41	56	56	056/057/058-05V
D.C. Voltmeter, Suppressed Zero Long Scale	1-5V	41	86	86	056/057/058-05S
A.C. Rectified Ammeter	1mA-1A, 25Hz/3kHz, 50Hz STD	41	-	-	056-01B
A.C. Rectified Ammeter Shortscale	1mA-30A, 25Hz/3kHz, 50Hz STD	-	56	-	057-01B
A.C. Rectified Ammeter Longscale	1mA-30A, 25Hz/3kHz, 50Hz STD	41	86	86	056/057/058-05B
A.C. Rectified Voltmeter	15-600V, 25Hz/3kHz, 50Hz STD	41	-	-	056-01W
A.C. Rectified Voltmeter Shortscale	15-600V, 25Hz/3kHz, 50Hz STD	-	56	-	057-01W
A.C. Rectified Voltmeter Longscale	15-600V, 25Hz/3kHz, 50Hz STD	41	56	56	056/057/058-05W
Elapsed Time Meter.	50 or 60Hz / 100-440V*	41	-	-	056-155 or 156
Elapsed Time Meter.	50 or 60Hz / 100-440V*	-	56	-	057-155 or 156
Frequency Meter. Shortscale	50 or 60 or 400Hz/100-440V*	41	-	-	056-41S
Frequency Meter. Shortscale	50 or 60 or 400Hz/100-440V*	-	56	-	057-41S
Frequency Meter. Longscale	50 or 60 or 400Hz/100-440V*	41	86	86	056/057/058-41L
Wattmeter or Varmeter	0.2-10A/100-440V*	-	132	132	057/058-21 or 31
240° Phase Angle	1 or 5A 100-400V 50, 60 or 400Hz	-	132	132	057/058-42
360° Power Factor Meter	1 or 5A 100-440V* 50 or 60Hz	-	132	132	057/058-13
360° Rotary Synchroscope	100/125V, 200/250, 380/450**	-	132	132	057/058-14
Maximum Demand Indicator	1 or 5A, 50/60Hz, 15 or 20 min	-	86	-	057-16
Combined MDI	1 or 5A, 50/60Hz, 15 or 20 min	-	86	-	057-16
Temperature Indicator	RTD or Thermocouple	-	86	86	057/058-45 R or T
Tap position indicator	1-18 steps. 400Ω	-	86	-	057-45P
Transducer Operated Indicator Shortscale	1, 5, 10, 20, or 4/20mA	-	56	-	057-01
Transducer Operated Indicator Longscale	1, 5, 10, 20, or 4/20mA	41	56	56	056/057/058-05
Intrinsically Safe Indicators Longscale	1, 5, 10, 20mA only	-	86	86	057/058-11AF
Intrinsically Safe Indicators Longscale	4/20mA only	-	86	86	057-058-11RF
D.C. Meter relay	D.C. 10mV-500V, 10µA-15A	-	86	-	057-30
Temperature Meter Relay	RTD's or Thermocouples	-	86	-	057-30 R or T
A.C. Meter relay	A.C.6V-500V, 100µA-1A 5A via C.T	-	86	-	057-30

*100-440V = (100/125, 200/250, 380/440)

**Using transformer box 855-95

For specification and connection diagrams, please refer to equivalent models in the 240 Series DIN Panel Meter section. Replace 244 with 057 etc., e.g. 244-210 becomes 057-210.