Panel Meters

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MU45

MU52E ROHS



MOUNTING DETAIL					
ityle	Α	В	С	D	
/IU45	45	4	37.5	37.5	
NU52E	52	4	48	64	



 $Rs = Rm \times \frac{Am}{A_t - A_m} - Rm$ Where

Where...

Am = FS current of meter

At = FS current required

Rm = Meter resistance

Rs = Required shunt

Voltage Multiplier:	
Rx	
(✓) _{Rm}	
0-	
Voltage Multipliers	

 $Rx = \frac{V}{A} - I$ Where...

V = FSD voltage required A = FSD current of meter Rm = Meter resistance Rx = Required series resistor

FS Deflection	MU45	MU52E	Resistance
Dimensions (WxHxD)	58x52x24*	80x66x19*	
1mA	Q 0500A	-	210Ω
1A	Q 0508A	-	0.0582Ω
5A	Q 0510A	Q 0533	0.03Ω
10A	Q 0515A	-	0.012Ω
20A	Q 0521A	-	0.004Ω
20V	Q 0523A	-	20 k Ω
30V	Q 0525A	Q 0535	30 k Ω

*Add 10mm depth to allow for connection terminals.

Price Each	RRP	2+	5+
MU45 models	17.50	15.75	14.00
MU52E models	21.95	20.75	18.45

Backlit VU Meter

Solder tag connections. Includes mounting parts.

SPECIFICATIONS	
Backlight:	12V DC 50mA
Signal response:	0.8 seconds
Coil resistance:	650Ω
Mounting hole:	44 x 85mm
Max panel thickness:	10mm
Dimensions:	90.5W x 63.5H x 42Dmm



Price Each	RRP	2+	5+
Q 0490	19.50	17.55	15.60

Waterproof IP65 LCD Thermometer Module

SPECIFICATIO	NS
Resolution	0.1°C
Range:	-30°C to +70°C
Accuracy:	< 40°C ±1.0°C, >40°C ±2.0°C
Sampling Rate:	10s
Indicators:	Over-range, Low battery
Battery:	Li-Ion Cell CR-2032
Dimensions:	68.8L x 34.2W x 24Hmm



Price Each	RRP	2+	5+
Q 0576	29.50	27.50	25.80

LCD Thermometer Module

SPECIFICATION	NS
Resolution	0.1°C
Range:	-10°C to +70°C
Accuracy:	< 40°C ±1.8°C, >40°C ±3.0°C
Sampling Rate:	10s
Indicators:	Over-range Hi or Lo
Battery:	LR44 (SR44) x 1
Dimensions:	48L x 28.6W x 15.5Hmm



Price Each	RRP	2+	5+
Q 0574	19.95	18.55	17.50

Voltage & Current Flush Mount Panel Meter





Simultaneously measures voltage, current, power, charging capacity and time. The two-line LED display can display two different groups of data. The meter can switch between measurements of different parameters. It is ideal for monitoring output voltage and current, as well as the battery charge and discharge applications.

SPECIFICATIO	NS	Display resolution	:	0.01 (all units)
Input voltage:	0-90V (±1%)	Units: Volts, Amps	s, Watts	, Amp Hour	s, Hours
Current:	0-20A (±2%)	Measuring rate:		5	times/s
Display:	4 x 8 segment LED	Dimensions:	79	9W x 43H x	25Dmm
	(3 for value and 1 for unit)	Panel cutout:		76.5W x 39	9.2Hmm
Price Each			RRP	4+	6+
Q 0590			49.95	44.95	39.95

Digital LED Panel Mount 0-100A Ammeter With Shunt

SPECIFICATIONS	
Current range:	0-100A DC
Max input current:	±15mA
Power supply:	5V DC
Maximum count :	999 (3 digit)
Input impedance:	1kΩ
Sample frequency:	400ms
Dimensions:	50W x 26H x 23.5Dmm
Cutout size:	48 x 23mm



Includes matched shunt allowing easy connection to measured power source.

Price Each	RRP	2+	5+
Q 0584	54.95	49.50	43.95

Digital LED Panel Mount 8-30V DC Volt Meter

SPECIFICATIONS	
Voltage range:	8-30V DC
Maximum count :	999 (3 digit)
Power supply:	8-30V DC
Sample frequency:	400ms
Dimensions:	50W x 26H x 23.5Dmm
Cutout size:	48 x 23mm



For applications requiring a professional finish and digital accuracy. Automatic zero calibration, polarity sensing and 8-30V DC powered design makes connection easy.

Price Each	RRP	2+	5+
Q 0585	24.95	22.35	19.70

Digital LED Panel Mount 200mV Volt Meter

SPECIFICATIONS	
Voltage range:	±199.9mV DC
Maximum count :	999 (3 digit)
Power supply:	5V DC
Sample frequency:	400ms
Dimensions:	50W x 26H x 23.5Dmm
Cutout size:	48 x 23mm



For applications requiring a professional finish and digital accuracy. Automatic zero calibration, polarity sensing and 5V DC powered design makes connection easy.

Price Each	RRP	2+	5+
Q 0588	29.50	26.55	23.60

100A 1mΩ Meter Shunt

SPECIFICATIONS		
Dimensions:	81.5L x	20W x 18H
Tolerance:		0.5%
Voltage drop @ max o	current:	100mV
Resistance:		1 m Ω



Price Each	RRP	4+	10+
Q 0480	19.95	17.70	15.70