



SMP72x1445SN
Voltmeter - TRMS



SMP72x1445SN
Ammeter - TRMS



SMP72x1445SN
Voltmeter - DC



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Features

- User Programmable Display / CTP / PTR
- 99999 Counts High Resolution Display
- SMPS Power Supply

Specifications

- **Measurement Method** TRMS Using Microcontroller
- **Display Type** 1" / 25.4mm, Super Bright RED LED Display
- **Maximum Display** 5 Digit / 99999 Counts
- **Resolution** 0.0001 to 1 Count Depending on Range
- **Sampling Rate** 1 Second
- **Maximum Overload** Voltage : 1.2 times continuous
Current : 1.2 times continuous
- **Polarity Indication** "-VE" is indicated for Negative Input
- **Auxiliary Supply** 85 - 265VAC / DC (Standard)
or 19 - 90VAC / DC (Optional)
- **VA Burden (Typical)** Auxiliary : <2.5VA
Voltage Input : <0.2VA / Phase
Current Input : <0.2VA / Phase
- **Frequency Response** 45 - 55Hz

- High Accuracy Across the Entire Range
- Auto Selection of Decimal Point
- RS485 Port, 5KV Isolated with Modbus RTU Protocol (Optional)

- **Dielectric Strength** 2.5KV at 50Hz for 1 min. Between Input - Aux. & Case - Terminals
- **Environmental Conditions** 0 to 55°C, <70% RH (Operation)
-10 to 60°C, <70% RH (Storage)
27°C ± 5°C (Calibration)
- **Case / Housing Material** Black ABS, Dimension as per DIN 43700
- **Face Plate / Lens** Red Antiglare Face Plate Annunciator
- **Connectors** Terminal Block Thermoplastic (UL94V - 0) with Tin Plated Brass Terminals
- **Display Stability** Within ±2 Digits
- **Dimensions** Front : 72 x 144mm
Depth : 93mm
Panel Cut Out : 68^(+0.8, -0.0) x 138^(+0.8, -0.0)

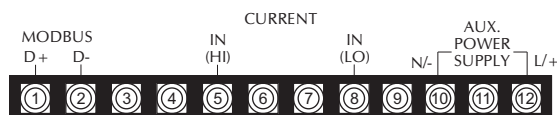
Model	Input		Range	Auxiliary Power Supply		Accuracy Class		Digits (max.)	Digit Height
				SMPS-HV 85-265V AC/DC (Standard)	SMPS-LV 19-90V AC/DC (Optional)	0.5	1		
SMP 72x1445SN	DC	mV	0 - 200mV	✓	✓	✓	✓	✓	✓
			0 - 75mV	✓	✓	✓	✓	✓	✓
		V	0 - 5V	✓	✓	✓	✓	✓	✓
			0 - 10V	✓	✓	✓	✓	✓	✓
			0 - 200V	✓	✓	✓	✓	✓	✓
			0 - 1000V	✓	✓	✓	✓	✓	✓
		A	0 - 1A	✓	✓	✓	✓	✓	✓
			0 - 2A	✓	✓	✓	✓	✓	✓
SMP 72x1445SN - TRMS	AC	Zero Supp. mA DC		4 - 20mA or 4 / 12 / 20mA DC	✓	✓	✓	✓	✓
		Zero Supp. V DC		1 - 5V	✓	✓	✓	✓	✓
		V	0 - 110V	✓	✓	✓	✓	✓	✓
			0 - 750V	✓	✓	✓	✓	✓	✓
		A	0 - 1A	✓	✓	✓	✓	✓	✓
			0 - 2A	✓	✓	✓	✓	✓	✓
			0 - 5A	✓	✓	✓	✓	✓	✓
			0 - 5A	✓	✓	✓	✓	✓	✓

Ordering Information : Model, Input Range, CTR / PTR (if any), Scale Display, Auxiliary Supply, Accuracy Class & RS 485 Modbus Communication (Optional).

Terminal Connection



SMP72x1445SN - Voltmeter



SMP72x1445SN - Ammeter