Simpson®

MADE IN THE USA SINCE 1936 RELIABILITY BEYOND MEASURE

2800 Series Digital Panel Meters



- 3 ½ digit red LED display
- Input/output edge connector
- "U" – shaped mounting bracket
- Jumper – selectable decimal point

Inputs

DC Voltage		
Range	Display Resolution	Maximum Input
200mV	100µV	100MΩ
2V	1mV	100MΩ
20V	10mV	10MΩ
200V	100mV	10MΩ

AC Current		
Range	Display Resolution	Maximum Input
20µA	10nA	20mA
200µA	100nA	20mA
2mA	1µA	20mA
20mA	10µA	100mA
200mA	100µA	1mA

DC Current		
Range	Display Resolution	Maximum Input
20µA	10nA	20mA
200µA	100nA	20mA
2mA	1µA	20mA
20mA	10µA	100mA
200mA	100µA	1mA

Specifications

DISPLAY	
Type	7- segment, red LED
Height	0.56" (14.2mm)
Decimal Point	Jumper-selectable
Overrange Indication	All digits blink "0"
POWER REQUIREMENTS	
AC Voltages	120V, ±10%, 50Hz to 400 Hz, 3VA
DC Voltages	5 DCV
Rated Circuit to Ground Voltage	250 DCV (Models 2865 and 2869) or -4.06 to +4.5 DCV (Model 2866)
ACCURACY @ 23°C, ±2°C	± (1.0% of input +5 counts) 45Hz to 1KHz
ENVIRONMENTAL	
Operating Temperature	0 to 55ºC
Storage Temperature	-40 to 60°C
Relative Humidity	0 to 85°, non-condensing
Temperature Coefficient	± (0.1% of input) ± 0.5 count / per °C
Warmup time	15 minutes
A TO D CONVERSION	
Technique	Dual slope
Rate	2.5 samples / second-nominal
MECHANICAL	
Bezel	1.93" x 3.9" (49mm x 99mm)
Depth	4.72" (120mm)
Panel cutout	1.68" x 3.622" (42.72mm x 92mm)
Weight	12.5 oz. (354.3 g)

Rev. 08-21-13

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Ordering Information -

Catalog No.	Model No.	Input Range	Power
24500	2865	0-200 DCmV	120 VAC
24501	2865	0-2 DCV	120 VAC
24502	2865	0-20 DCV	120 VAC
24503	2865	0-200 DCV	120 VAC
24504	2865	0-20 DCµA	120 VAC
24505	2865	0-200 DCµA	120 VAC
24506	2865	0-2 DCmA	120 VAC
24507	2865	0-20 DCmA	120 VAC
24508	2865	0-200 DCmA	120 VAC
24600	2866	0-200 DCmV	5DCV
24601	2866	0-2 DCV	5DCV
24602	2866	0-20 DCV	5DCV
24603	2866	0-200 DCV	5DCV
24630	2869	0-200 ACmV	117 VAC
24631	2869	0-2 ACV	117 VAC
24632	2869	0-20 ACV	117 VAC
24633	2869	0-200 ACV	117 VAC
24634	2869	0-20 ACµA	117 VAC
24635	2869	0-200 ACµA	117 VAC
24636	2869	0-2 ACmA	117 VAC
24637	2869	0-20 ACmA	117 VAC
24638	2869	0-200 ACmA	117 VAC

Mounting Instructions

The 2800 indicators are installed with the mounting hardware provided.

Slide the meter through the panel cutout.

Next, insert a side mounting bracket to each side of the meter.

Use the two holes located near the bezel to attach them to the meter.

Slide the brackets back until they lock into the meter.

Turn the screws in each bracket until they firmly contact the panel surface.

