



1/8 DIN Panel Mount  
 Bright LED Display  
 Programmable Decimal Point  
 Screw Terminals Standard  
 110/220 VAC Power  
 4.7-31 volt AC/DC Power Option  
 AC TRMS Option



### DC VOLTAGE

Model	Range	Input Impedance	Input Protection
DM-31S-DV1	+/-19.99mV	1000M ohm	250V
DM-31S-DV2	+/-199.9mV	1000M ohm	250V
DM-31S-DV3	+/-1.999V	1000M ohm	250V
DM-31S-DV4	+/-19.99V	1M ohm	750V
DM-31S-DV5	+/-199.9V	1M ohm	750V
DM-31S-DV6	+/-600V	1M ohm	750V

Accuracy +/-0.1% +/-1 digit

### DC CURRENT

Model	Range	Input Impedance	Input Protection
DM-31S-DA1	+/-199.9uA	1K ohm	1A
DM-31S-DA2	+/-1.999mA	100 ohm	1A
DM-31S-DA3	+/-19.99mA	10 ohm	1A
DM-31S-DA4	+/-199.9mA	1 ohm	1A
DM-31S-DA5	+/-1.999A	0.1 ohm	5A
DM-31S-DA6	+/-10.00A	0.01 ohm	20A

Accuracy +/-0.1% +/-1 digit

### AC VOLTAGE

Model	Range	Input Impedance	Input Protection
DM-31S-AV1	199.9mV	1000M ohm	250V
DM-31S-AV2	1.999V	1000M ohm	250V
DM-31S-AV3	19.99V	1M ohm	750V
DM-31S-AV4	199.9V	1M ohm	750V
DM-31S-AV5	600V	1M ohm	750V

Accuracy +/-0.25% +/-1 digit

### AC CURRENT

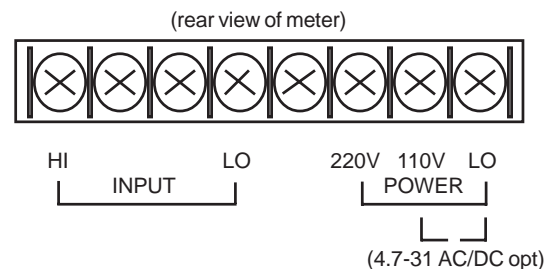
Model	Range	Input Impedance	Input Protection
DM-31S-AA1	199.9uA	1000M ohm	250V
DM-31S-AA2	1.999mA	1000M ohm	250V
DM-31S-AA3	19.99mA	1000M ohm	250V
DM-31S-AA4	199.9mA	1M ohm	750V
DM-31S-AA5	1.999A	1M ohm	750V
DM-31S-AA6	10.00A	1M ohm	750V

Accuracy +/-0.1% +/-1 digit

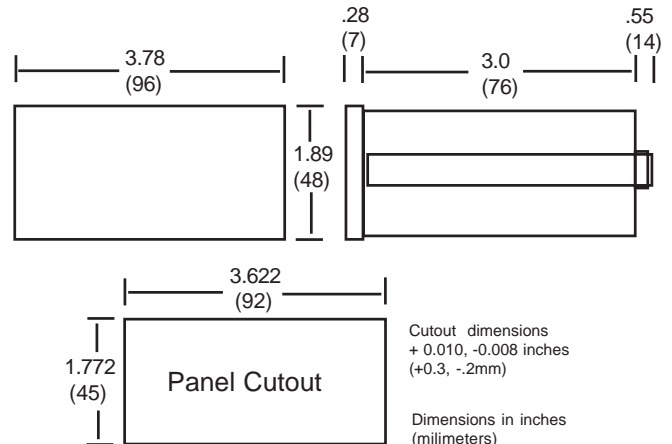
### COMMON SPECIFICATIONS

Maximum Display Value	1999
Over Range Indication	"1"
Display	0.56" high red LED
Measurement Rate	3 cycles/second
Operating Temperature	0-60 deg C (cal @ 22 deg C)
Temperature Coefficient	+/-60 PPM/deg C
Power Supply	110/220VAC +/-10% 50/60 Hz (4.7-31V AC/DC optional)
Weight	310g (10oz.)

### CONNECTION DIAGRAM



### DIMENSIONS



# 3 1/2 DIGIT VOLT/AMP METER

# DM-31S