



DITEL: PRODUCTS: DIGITAL STARS: **84000Y0X**



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DESCRIPTION

Model 840 panel ohmmeters are specific instruments for resistance measurement with no voltage applied by means of a constant-current generator adequate to each scale.

The unknown resistance is measured with 2 wire.

They are simple, low-cost indicators, without outputs or setpoint option, easy to install and put into operation.

Taking out the lens from the front-panel provides access to zero and span adjustment by two potentiometers and to decimal point location by means of soldering jumpers.

Signal and power connection is made via a 6-pin MAT-N-LOK AMP connector located at the rear of the unit.

SELECTION GUIDE

84000	Y	0	X
SUPPLY POWER			
115V 50/60Hz	1		
230V 50/60Hz	2		
12V DC ISOLATED	4		
24V 50/60Hz	7		
24V DC ISOLATED	8		
RANGE			
199.9 ohm			3
1999 ohm			4
19.99 kohm			5
SILKSCREENED UNIT			

ORDERING EXAMPLE

8400 0203 E18 : Panel ohmmeter Series 800
Supply power: 230V AC (50/60Hz)

Range: 199.9ohm. - Unit: ohm
format 96x48mm - 3½ digits

SPECIFICATIONS

INPUT SIGNAL

- Current of measure

Im

Scale	199.9 ohm	1999 ohm	19.99 kohm
Im	5mA	0.5mA	0.05mA

- Connection 2 wires
- Overvoltage protection 25Vp
- Technique of measure const.-current generator

- Tensión máx. modo común (señal/alimentación):

AC Voltage: 1000V DC or 1500V ACpp

DC Voltage: ±400V DC

POWER

- Supply voltages
- AC (50/60Hz) : 24, 115, 230V AC
- DC (isolated) : 12, 24V DC
- Maximum isolation 1000V DC or 1500V ACpp
- Consumo 3W nominal

ACCURACY

- Resolution 0.05% F.S.
- Maximum error 0.1% F.S. ±1 digit

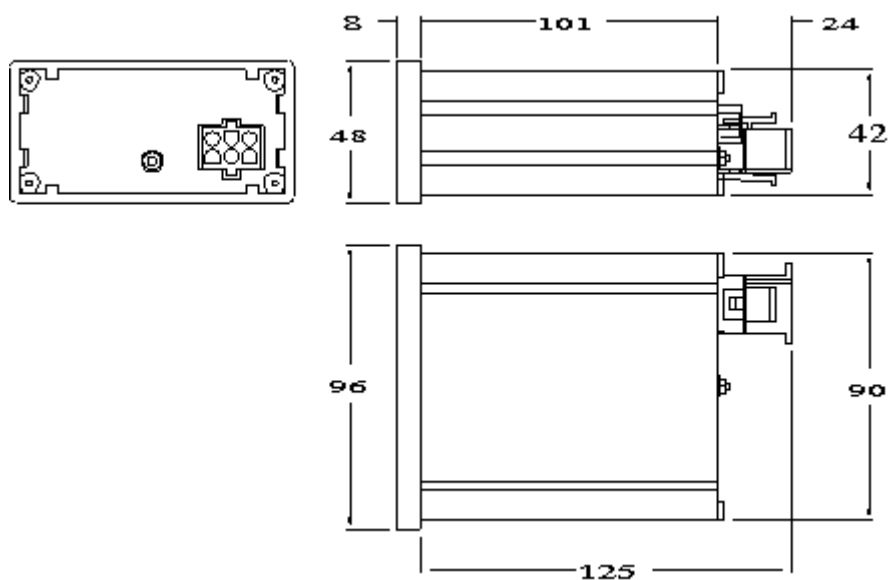
DISPLAY

- Type red LED (0.56") 14mm. high
- Overrange 1999. (3 L.S.D. blanked)
- Reading rate 4 per second

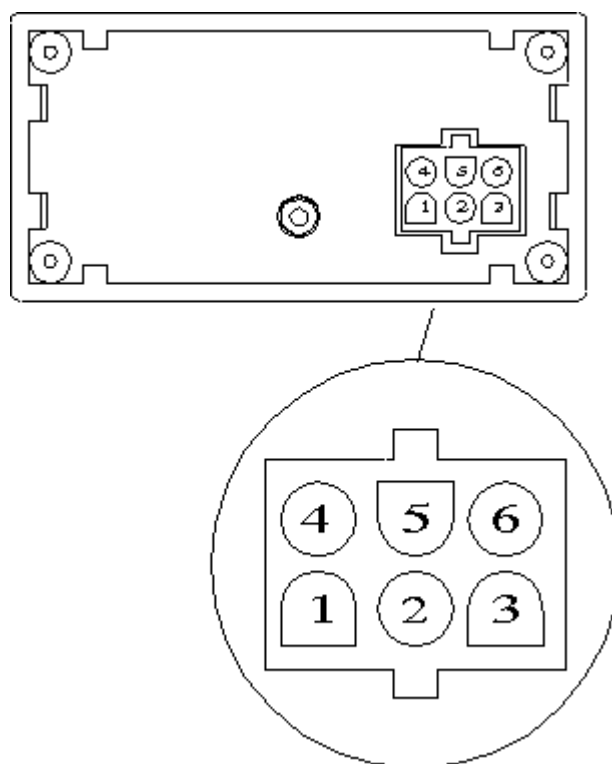
ENVIRONMENTALS

- Operating temperature 0°C to 50°C
- Storage temperature -25°C to +85°C
- Relative humidity max. 95% (non condensing)
- Weight 300g
- Dimensions 96x48x110mm (s/DIN 43700)
- Panel cutout 92x45mm (s/DIN 43700)
- Case material 94 V-0 UL-rated polycarbonate

DIMENSIONS (mm)



SIGNAL AND POWER CONNECTION

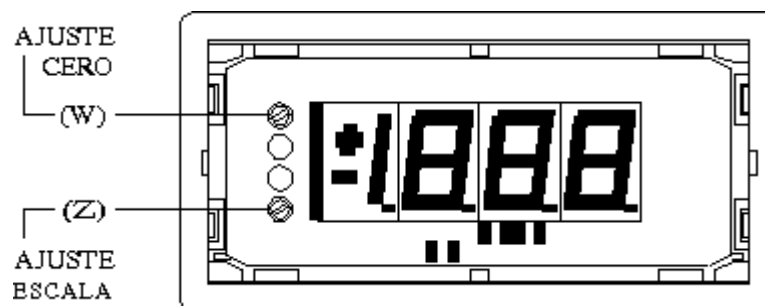


Input signal
 PIN 1 Spare
 PIN 2 Input ohm
 PIN 3 Input ohm

AC power supply
 PIN 4 Ac HI
 PIN 6 AC LO

DC power supply
 PIN 4 DC Positive (+)
 PIN 6 DC negative (-)

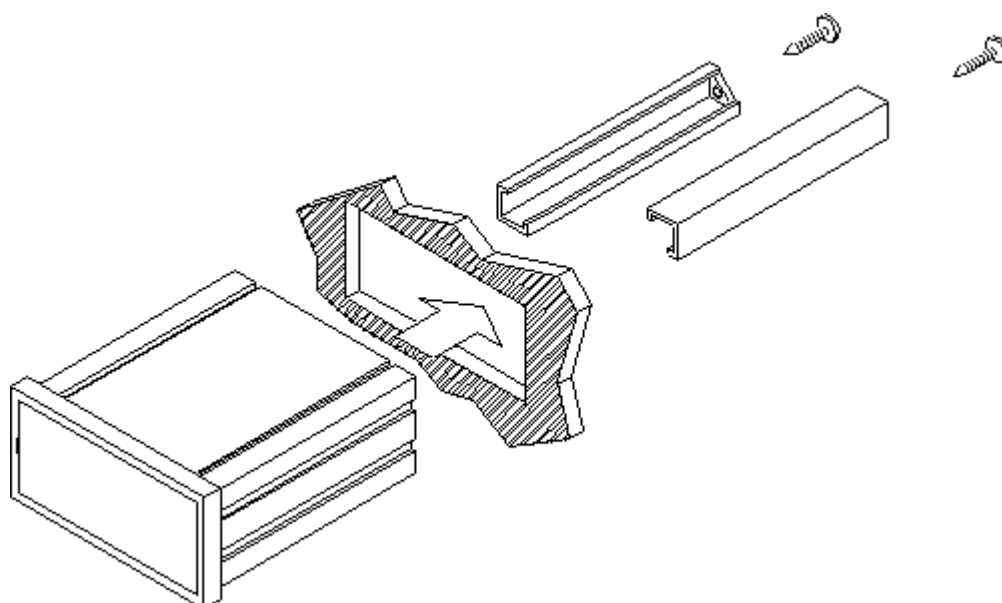
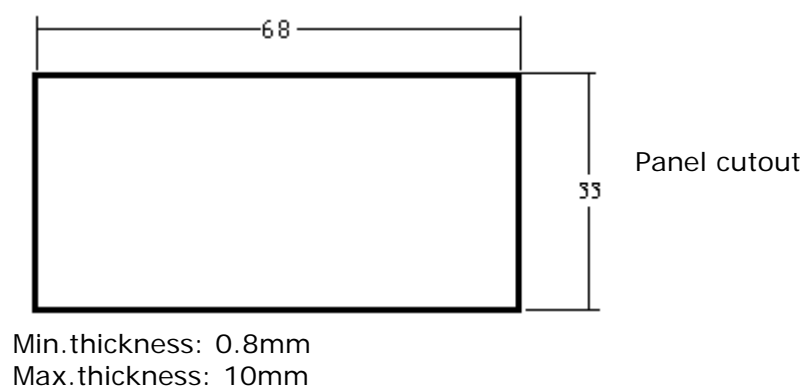
SETUP AND CALIBRATION



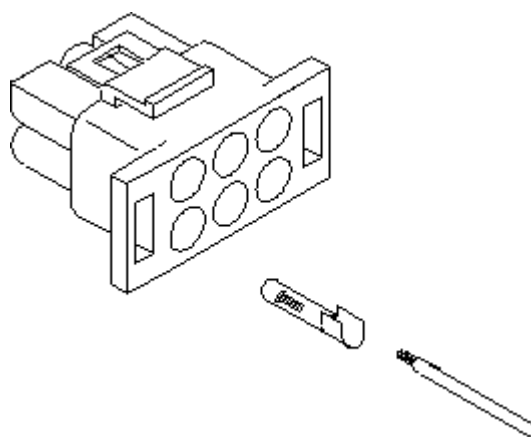
The zero adjustment is made via the potentiometer (W) located to the upper, left side of the display. Turning clockwise decreases the display reading.

The span adjust corresponds to the potentiometer (Z) located to the lower, left side of the display. Turning clockwise increases the display reading. The adjustment margin is $\pm 20\%$ of F.S.

MOUNTING



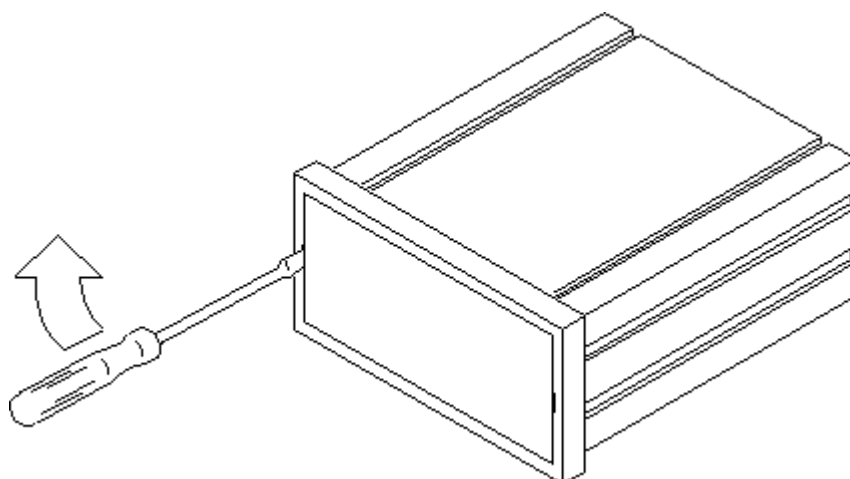
CONNECTORS

**Signal and power connector :**

6-pin MAT-N-LOK AMP

Contacts assembly :

Hand tool AMP reference 90277-1

ACCESS TO CALIBRATION

Remove lens by placing an appropriate sized screwdriver in the slot and pushing laterally as it is shown in the figure until the lips disengage.

To reinstall lens, insert it completely from one side and press from the other until it is fitted.

Warranty:

Press the icon to see it.



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