



## 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

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

### 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

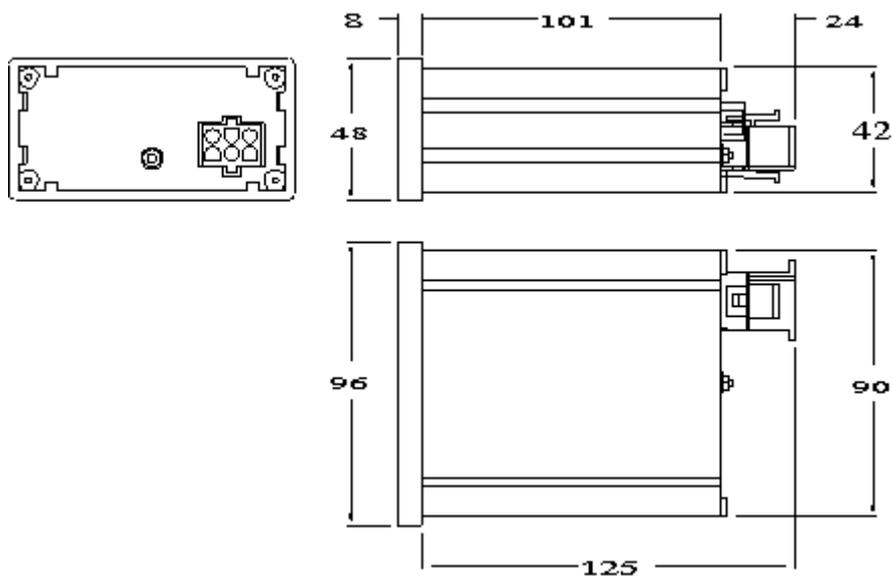
### DISPLAY

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

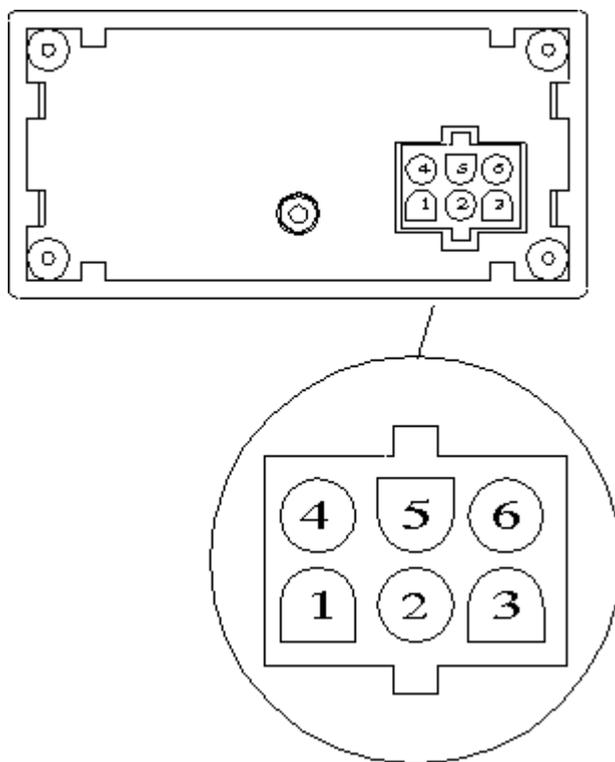
### ENVIRONMENTALS

- 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

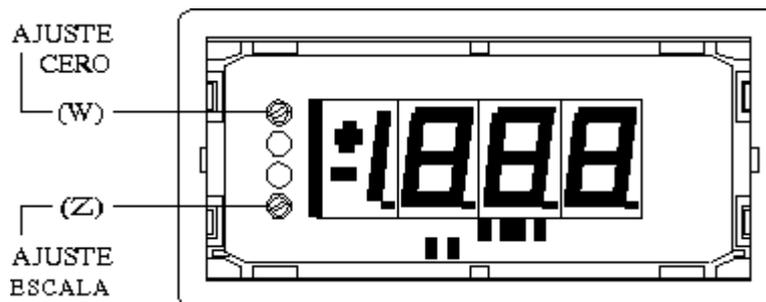


Input signal  
 PIN 1 Spare  
 PIN 2 Input ohm  
 PIN 3 Input ohm

AC power supply  
 PIN 4 Ac HI  
 PIN 6 AC LO

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

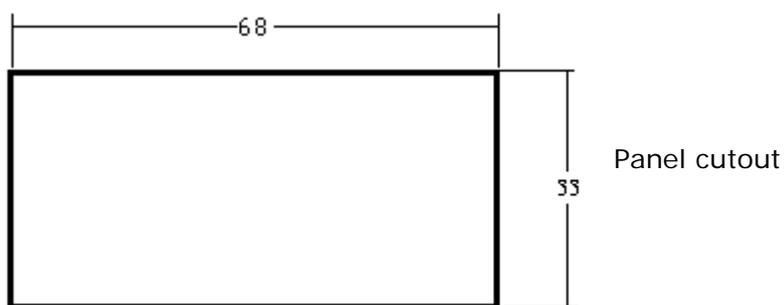
## SETUP AND CALIBRATION



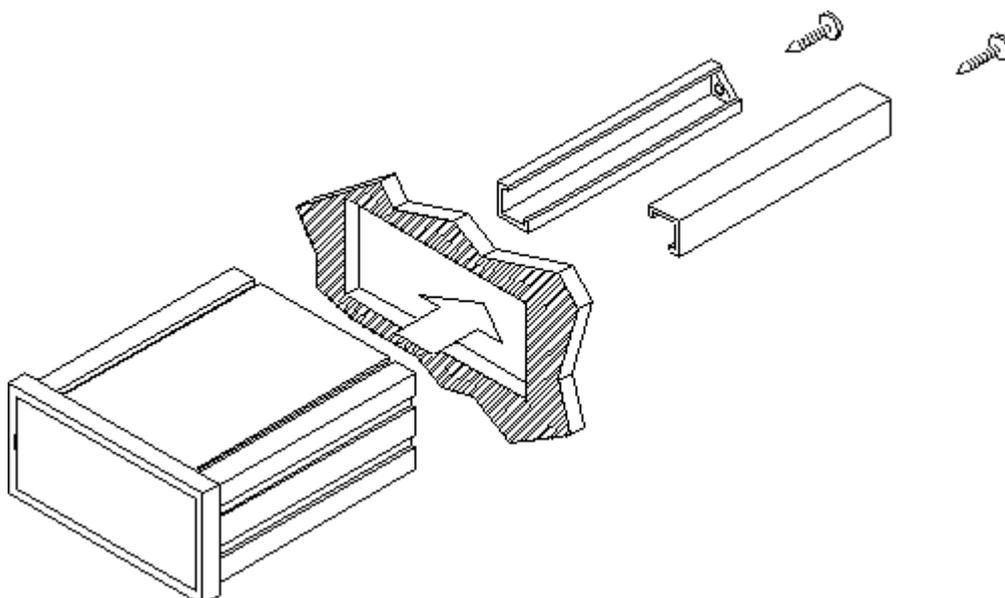
The zero adjustment is made via the potentiometer (W) located to the upper, left side of the display. Turning clockwise decreases the display reading.

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.

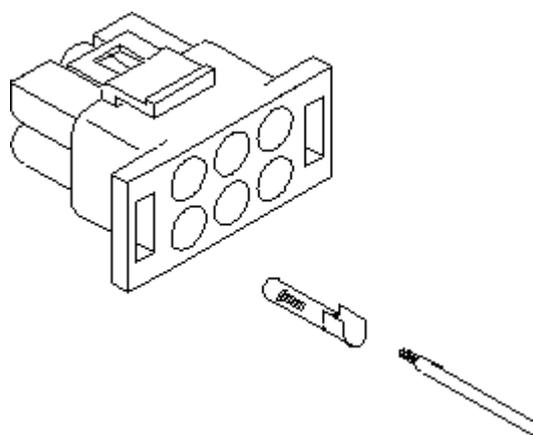
## MOUNTING



Min.thickness: 0.8mm  
Max.thickness: 10mm



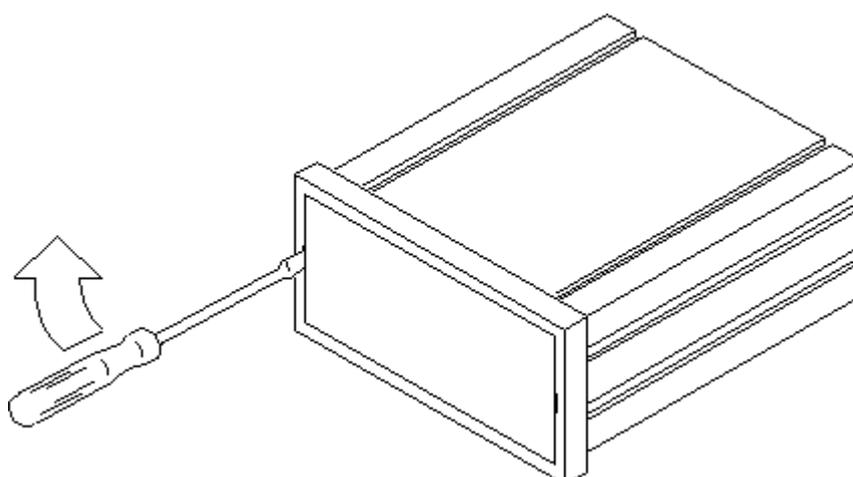
## CONNECTORS

**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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