DITEL: PRODUITS: SERIE DIGITAL: **82200Y0X**

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DESCRIPTION

Model 822 panel ammeters are specific instruments that allow direct connection to external current transformer or shunt rating /5A, /1A or /60mV, /100mV for readout RMS values of sinusoidal signals up to 2000A. They are simple, low-cost indicators, without output or setpoint option. Taking out the frontal lens provides access to decimal point location and to span adjustment with a margin of 20%. The zero adjust is automatic. Fully factory-set, it is possible to modifie later the scale by changing the value of an internal resistor as shown next page.
Power and signal connection is made via a 6-pin MAT-N-LOK AMP connector located at the rear of the unit. .

SELECTION GUIDE

8220	Z	Y	0	X
SUPPLY POWER				
TRANSFORMER/1A	1			
TRANSFORMER/5A	2			
SHUNT/60mV	5			
SHUNT/100mV	6			
SUPPLY POWER				
115V 50/60Hz		1		
230V 50/60Hz		2		
12V DC ISOLATED		4		
24V 50/60Hz		7		
24V DC ISOLATED		8		
SCALE				
20A (19.99)				1
50A (50.0)				2
100A (100.0)				3
200A (199.9)				4
500A (500)				5
1000A (1000)				6

2000A (1999)				7
UPON REQUEST				9
SILKSCREENED UNIT				

ORDERING EXAMPLE

8220 2204 E07 : AC ammeter Series 800 Supply power: 230V AC (50/60Hz)
Scale: 199.9A. Input: transfo/5A Format: 96x48mm. Unit: A AC

SPECIFICATIONS

*__INPUT SIGNAL__
.Configuration differential asymmetrical
.Frequency margin 40 to 500Hz
.Max allowable voltage Vmax.(IN)
.Max allowable current Imax.(IN)
.Input impedance Z (IN)

Input	transfo/5A	transfo/1A	shunt/mV
Vmax(IN)	-	-	50V (250V/1min)
Imax(IN)	7.5A (10A/1min)	1.5A (2A/1min)	-
Z(IN)	0.01ohm	0.1ohm	1Mohm

.Common mode max. voltage (signal/power) :
- AC voltage : 1000V DC or 1500V ACpp
- DC voltage : ± 400V DC

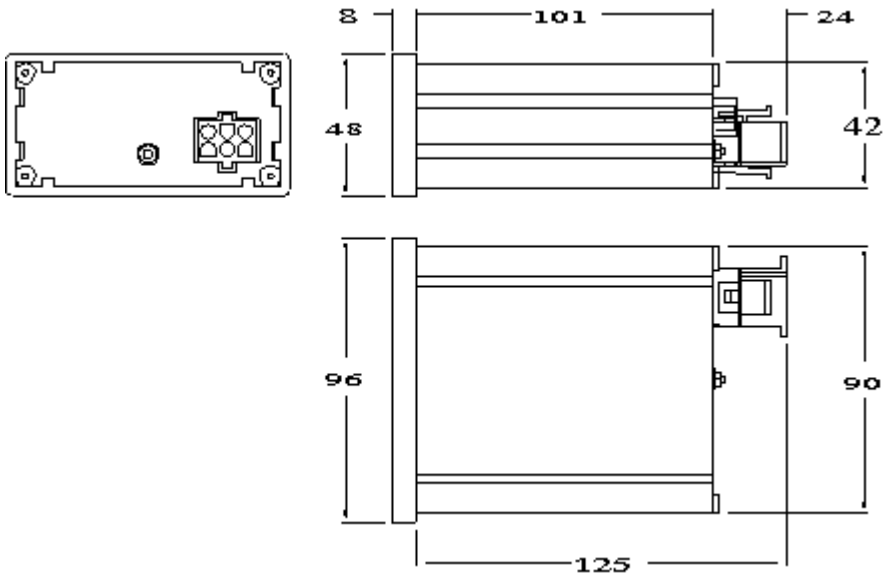
*__POWER__
.Supply voltages
- AC (50/60Hz) : 24, 115, 230V AC
- DC (isolated) : 12, 24V DC
.Maximum isolation : 1000V DC or 1500V ACpp
.Power consumption 3W nominal

*__ACCURACY__
.Resolution 0.05% F.S.
.Max error 0.10% F.S. ± 1 count

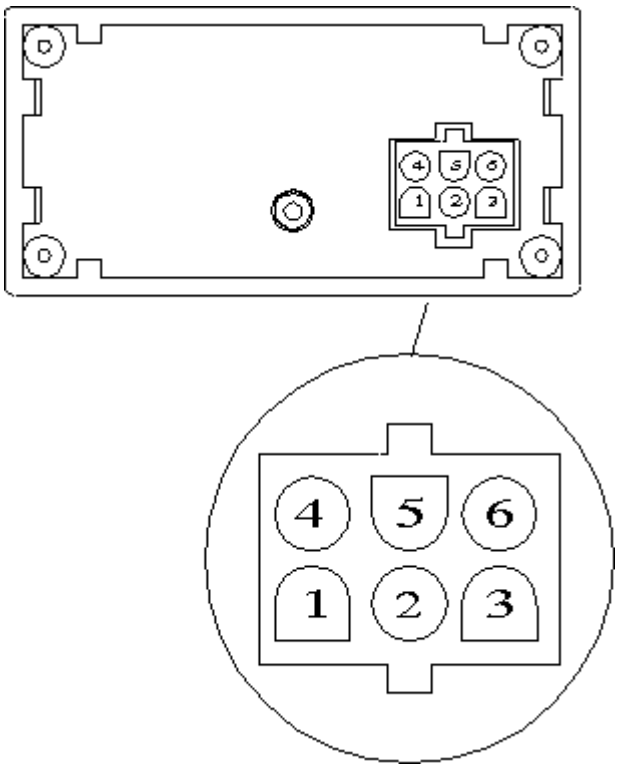
*__DISPLAY__
.Type red LED (0.56") 14mm. high
.Overrange 1999. (3 L.S.D. blanked)
.Reading rate 4 per second

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

DIMENSIONS (mm)



SIGNAL AND POWER CONNECTION

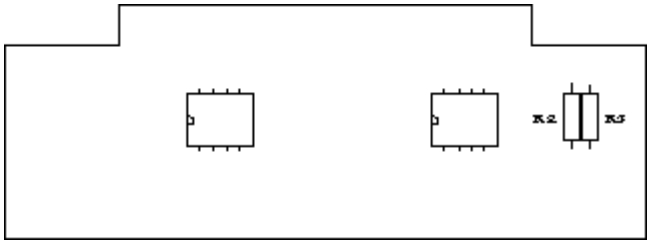


Input signal
PIN 1 Spare
PIN 2 AC input signal
PIN 3 AC input signal
PIN 5 Spare

AC supply power
PIN 4 AC HI
PIN 6 AC LO (neutral)

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

SCALING



Circuit REF. 192B

To change the scale, calculate first the value of the resistor R2 according to the following formula :

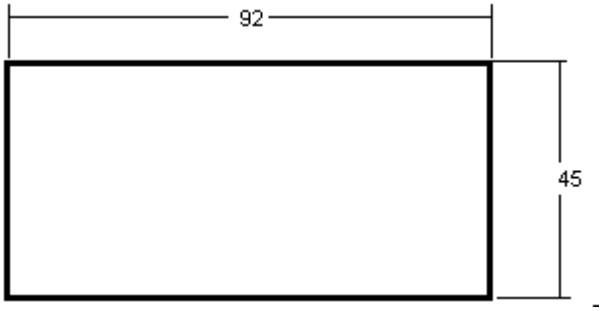
R3 = 100kohm
R2 (kohm) = R3 / (N - 1)

where:

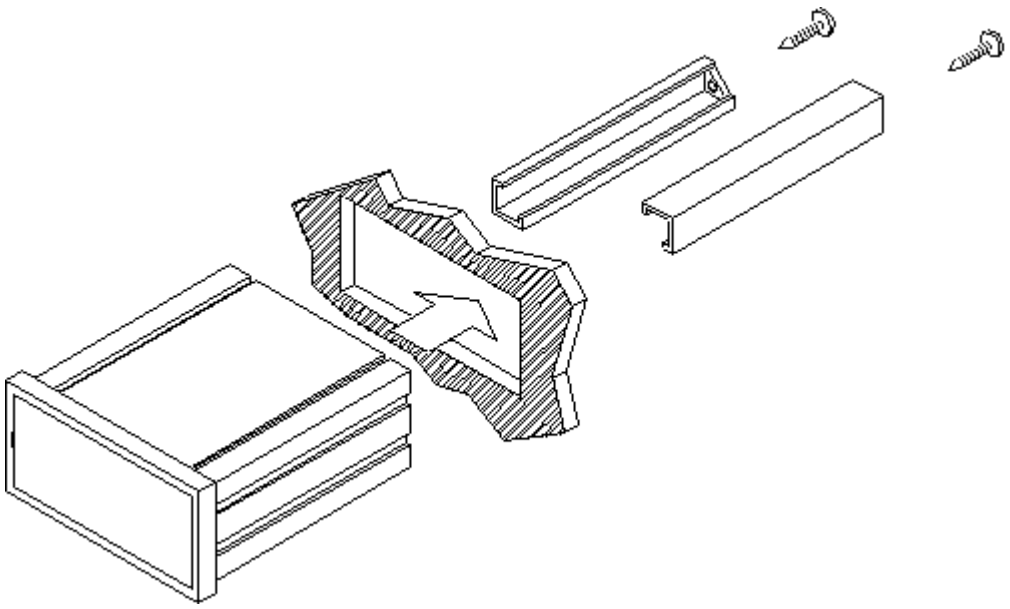
N = VD/60 (for input shunt/60mV)
N = VD/50 (for input transfo/5A)
N = VD/100 (for transfo/1A, shunt/100mV)
VD = display value disregarding decimal point.

Example; for the 200A range (199.9) ;
VD = 1999

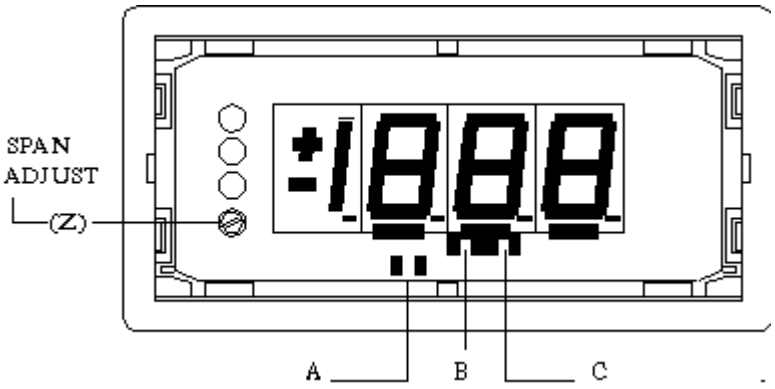
MOUNTING



Orificio en panel
Min. thickness: 0.8mm
Max. thickness: 10mm



SETUP AND CALIBRATION

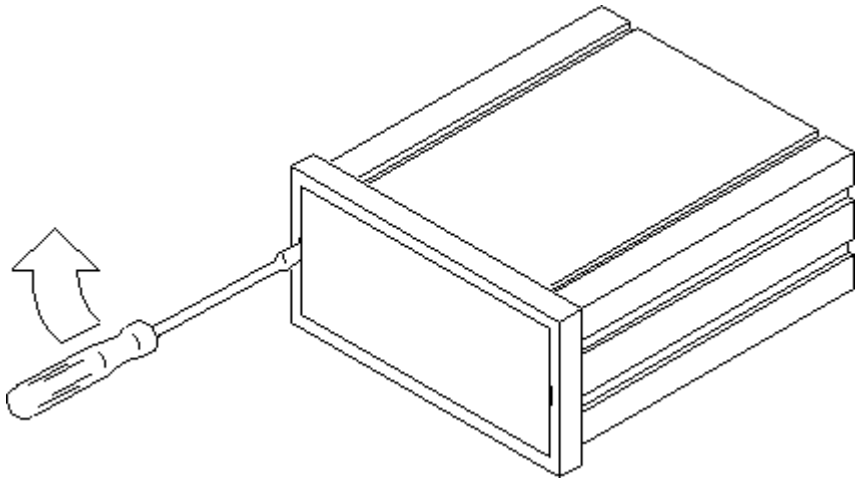


Jumper	Display
A	1.999
B	19.99
C	199.9
None	1999

The **span adjustment** is made by the potentiometer (Z) located to the left, lower side of the display. Turning clockwise increases the display reading. The adjust margin is ± 20% of F.S.

The **zero adjustment** is automatic.

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 disengange. For further configuration unscrew the rear nut to take the circuits out from the front of the case.

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

Garantie:
Clickez sur l'icône

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