



Gold City[®]

Elettronica

Migliorare la qualità del Lavoro, per migliorare la qualità della Vita

BA0001

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DIGITAL VOLTMETER AND AMPERMETER (REL.0 30/01/03)



HARDWARE FEATURES:





- Container:: Self extinguishing insulating material N185 noryl. Dimensions 48x96DIN43700
- Display: 7 section display with 3 figures for volt and 4 figures for ampere
- Terminal board: Extractable and polarized with supervision certificate IMQ n.ED622 in conformity with IEC998-1(1990) and IEC 998-2-1 (1990).
Working Temperature -40⁰C +110⁰C ; cat.climatica 40/11021 Sec.IEC
- Power: 24/220 Vac to be specified in the order
Possible variations +/- 10% of the nominal voltage. Consumption 2,2Watt
- Transformer: 3VA Soaked with 2500 Volt insulating voltage, built in conformity with the laws CEI 14-6 and VDE 0551
- Input Analogic 0-19,9V (volt), 0-60mV(ampere)
- Precisions 0,5% su F.S.
- Adjustment Digital
- CE Electromagnetic Compatibility (EMC) CEI 50081-1 e CEI 50082-2

SOFTWARE FEATURES:




The instrument manages the visualization of two analogic inputs. One input for the voltage reading (19,9V) and the other for the current reading (60mV).


The calibrate's procedure are digital. The instrument lets the memorization of peak max reaches during the work


THE KEYBOARD


Keys	Description of their working
	<p>If pressed together with , for 3 seconds, it gives access to the SET-UP parameters</p> <p>If pressed for 3 seconds, it gives access to the peak ampere</p> <p>During the data input operation, it decreases impulsively or continually the selected figure</p> <p>In set-up it visualizes other parameter</p>
	<p>If pressed together with , for 3 seconds, it gives access to the SET-UP parameters</p> <p>If pressed for 3 seconds, it gives access to the peak ampere</p> <p>During the data input operation, it increases impulsively or continually the selected figure</p>



SET-UP

To have access to the set-up, press together the  key and the ; after 2 seconds, you will have compare the writing **SEt**. For enter programming press .

It visualizes other parameter .

During the data input operation, it decreases impulsively or continually the selected figure .

During the data input operation, it increases impulsively or continually the selected figure .

To have access to set-up advanced press the  key and the  key as long as display writing **SEt**.

Parameter	Display	Description	Limits
Decimal point Volt	CdU 0	0= 0 decimal point (999) 1= 1 decimal point (99,9) 2= 2 decimal point (9,99)	0-2
End range Volt	FSU 10.0	It is the value when 10V are given to the input	0-2
Decimal point Ampere	CdA 0	0= 0 decimal point (999) 1= 1 decimal point (99,9) 2= 2 decimal point (9,99) 3= 3 decimal point (9,999)	0-3
End range Ampere	FSA 99.9	It is the value when 60mVolt (shunt) are given to the input	0-9999
Average read-out in volt visualization	StU 99	It indicates for how many reads-out the value to be visualized gets calculated (speedometer). The bigger the read-out number, the slower the updating time of the value	0-99
Average read-out in ampere visualization	StA 99	It indicates for how many reads-out the value to be visualized gets calculated (speedometer). The bigger the read-out number, the slower the updating time of the value	0-99


		ADVANCED SET-UP	
Range stability voltage	F U 99	Range stability Volt	0-99
Range stability ampere	F A 99	Range stability Ampere	0-99
Zero band Volt force	FOU 99		0-99
Zero band Ampere force	FOA 99		0-99
Ampere numeral fixed	CF 0	0= no fixed 1= fixed	0-1

VISUALIZATIONS


During the normal working, the display visualizes:


45.0
50.7

PEAK VISUALIZATION VOLT-AMPERE

Pressing the  key, the display visualizes the peak Ampere

M A
45.7

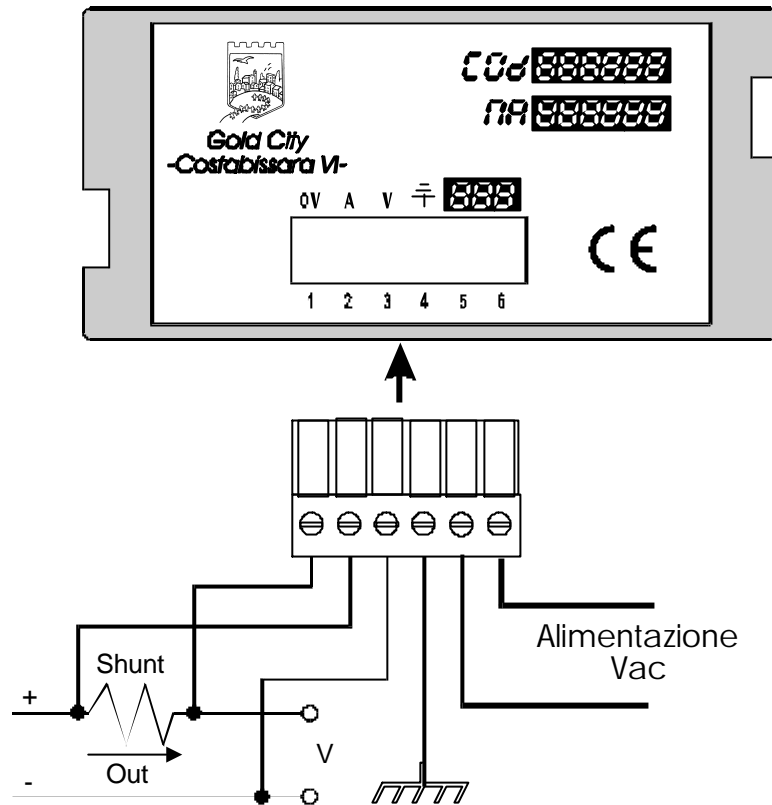
If pressed the  key, the display shows again the main visualization.

If pressed the  key clear the memorization and display visualizes for 1 second **r ES**.

CONNECTIONS

Terminal number	Name	Description
1	0	Analog common. (see schematic)
2	A	Ampere input (60,0 mV)
3	V	Volt input (0-19,9V) .
4	GND	Ground
5	Vac	Power 24-220 Vac (on the order)
6	Vac	Power 24-220 Vac (on the order)

WIRE CONNECTIONS



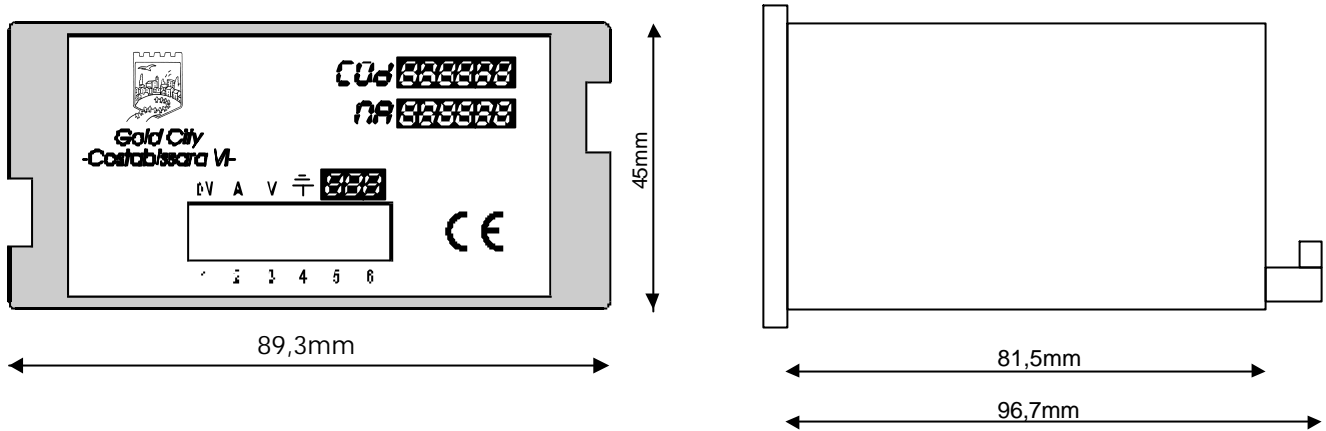
ORDER CODE

B A 0 0 0 1

Size specification	Hardware type	Hardware code	Software code
B= 48x96 DIN 43700	A	Using for client product 01=With wire negative shunt	01= Visualization V/I 02= Visualization V/I whit alarm output

Warning: On the order, you must specify the power voltage of the instrument which can be 24-220 VAC

DIMENSIONS



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This manual is used only for installation or maintenance for the refered device

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