PANEL DIGITAL READOUTS SERIES VD3 VCC RQ

Versions VD30 VD31 VD300 - VD30TF VD31TF VD300TF

Digital readouts series ***VD3 VCC RQ*** can be coupled to transducers which provide a direct voltage proportional to the length to be measured:
They can display voltages ranging from 1 to 250 Vdc.

The number of decimal digits can be selected by means of internal bridges.
All instruments are provided with extractable terminal board.

Specifications:

Power supply	24 Vac or 115/230 Vac ±10% 50/60Hz
Absorption	3 VA
Display	7-segment LED display h. 12.7 mm
Display range	**VD30** - 999 ÷ + 999 **VD31** -1999 ÷ +1999 **VD300** 0 ÷ 9990 (less significative digit fixed at zero)
Decimal digits	0, 1, 2, 3
Signal inputs	0 ÷ ± 5 Vdc 0 ÷ ± 25 Vdc 0 ÷ ±250 Vdc
Polarity	**VD30 – VD300** automatic without ± sign indication **VD31** automatic with ± sign indication
Resolution	**VD30 – VD300** 0.1% FDR **VD31** 0.5% FDR
Accuracy	± 1% FDR
Analogue/digital conversion	two-ramp integrator
Operating temperature	0 ÷ 45°
Front dimension	48x96 mm
Panel cut off dimensions	92 x 45 mm
Connections	8-pin extractable terminal board
Weight	0.7 Kg ca.

Installation and maintenance

Connect the instrument as described in the enclosed diagram; Check that the power supply corresponds to the one shown in the label.
Choose the signal input terminal according to the voltage to be measured, following the indications of the connection diagram.
To change the decimal point position it is necessary to: cut the power supply off, extract the terminal board, remove the rear frame and take the circuit from the box completely off. Select the jumpers as required. Close the instrument before energizing it again.

Value Adjustment

By positioning a jumper differently on U-bolts CV1 and CV2 it is possible to adjust the zero value by: 25 digits - 250 digits - 100% of the display range.
The instrument is normally supplied with adjustment value = 25 digits.

- In case you could not set the display to 0 by using the calibration trimmer P1, set the value at the next superior value.
- In the TF versions the trimmer is placed under the front case: use a small plate screwdriver to remove the front case.

Connections and calibration

We advise to adjust the readout in the following way:

- Choose one of the three different inputs according to the input voltage, and carry out the connection
- Set the voltage value to the minimum operating value and set the required value within the zero adjusting field by means of the zero adjusting trimmer P4
- Set the input voltage to its maximum value and adjust the display at the requested value by means of the display range trimmer P2. Repeat the operation to achieve the best measuring accuracy

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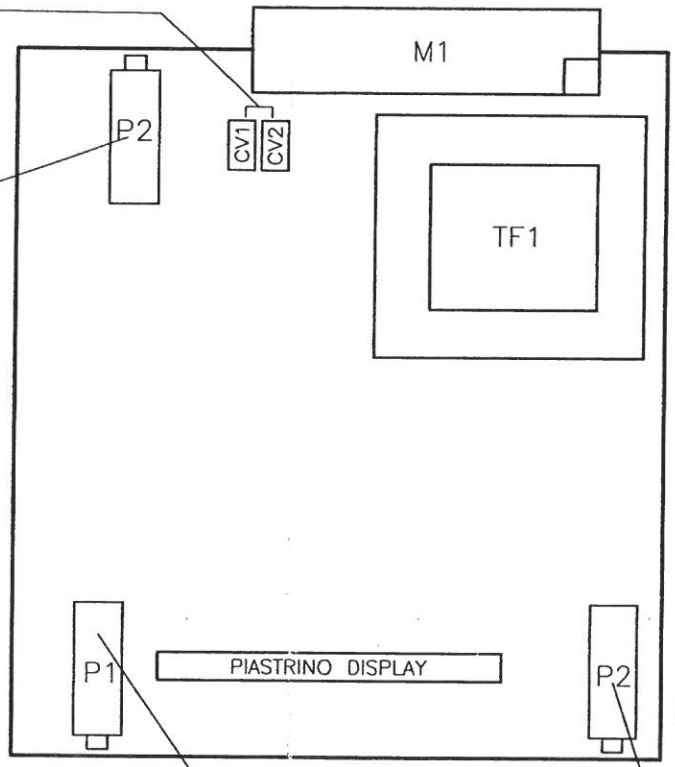
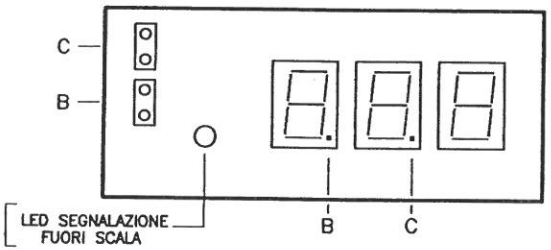
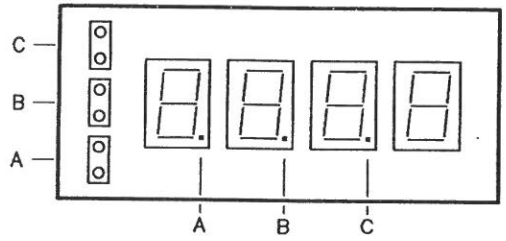
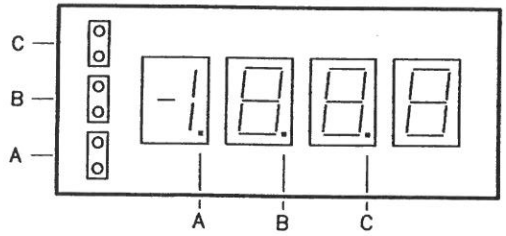
OFFSET VISUALIZZAZIONE		
CV1	CV2	OFFSET
ESC.	ESC.	20 DIGIT
INS.	ESC.	230 DIGIT
ESC.	INS.	1800 DIGIT

FONDO SCALA

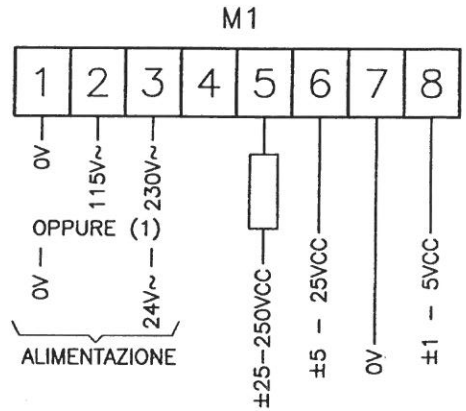








SELEZIONE VIRGOLA MEDIANTE OPPORTUNO JUMPER



(1) VEDI TARGHETTA IMMATRICOLAZIONE STRUMENTO

DISEGNO N.	CODICE	SCALA	FOGLIO	SOSTITUITO DA	DATA	FIRMA	DISEGNATO	DATA	SOFTWARE
C2423			1 di 1				T.R.		
DENOMINAZIONE		TOLL.	MATER.	SOSTITUISCE	DATA	FIRMA	VISTO	FILE	
Schema di collegamento VD30-31-300 VCC RQ VD30-31-300 TF VCC RQ								C2423.DWG	
NOTE		MODIFICHE	DESCRIZIONE		DATA	FIRMA			
CLIENTE									

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