

DC MONITOR

DCM-1

GALVANIC ISOLATION

TWO DIGITALLY SETTABLE RELAYS

OUTPUT: 4-20 mA

FOUR DIGIT DISPLAY

LOW COST

3 YEAR WARRANTY



The DCM-1 unit is an extremely accurate and stable DC measurement and conditioner unit, designed to measure and display voltages from 50 mV to 300 Vdc.

The DCM-1 converts the measuring voltage into a standardized load-independent current loop signal that is linearly proportional to the input signal.

The DCM-1 is equipped with two reed-relay trip contacts. Two momentary push

buttons on the unit's panel enable the user to digitally set each relay set point. The two push buttons are assigned to the two relays. Short depressing of each of them alter the display to show the set point value of the related relay. Holding the push button for over five seconds, causes the display to flash, indicating the entering to setup mode.

The DCM-1 is enclosed in a plastic panel mounted, 1/8 DIN enclosure.

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INPUT RANGES: 5V to 300Vdc
Option: 5mV to 300Vdc

OUTPUT: 4 -20 mA

OUTPUT LOAD: < 600Ω

SUPPLY AND LOAD VARIATION EFFECT
< 0.03% of span (for full change)

ISOLATION (Input / Output / Supply):
1500 Vdc or peak AC

RESPONSE TIME < 250mSec (0-98%)

ACCURACY: < ±0.1% of span

LINEARITY: Better than ±0.1% of span

CMR: 132 db typical

NUMBER OF RELAYS: 2

RELAY TYPE: Reed relay

CONTACT TYPE: "A"

CONTACT RATING: Max. 10VA
Max. 100 V dc or peak ac
Max. 0.5A

COIL CONSUMPTION: 2 x 10mA

DISPLAY TYPE: 7 Segments LED

DISPLAY COLOR: Red

NUMBER OF DIGITS: 4

DIGIT HEIGHT: 9.15 mm

DECIMAL POINT: Two user-selectable

CONTROLS: Two push buttons
2 DIP switches at rear panel

UNIT SET UP: Via front push buttons & rear DIP switch

POWER SUPPLY: 230 / 115 Vac ±10% or 20 – 65Vdc

POWER CONSUMPTION: 1.5VA

TEMPERATURE STABILITY: 0.01% / °C

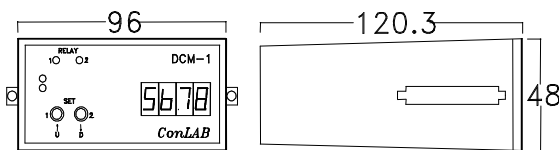
OPERATION TEMPERATURE: -20 ~ 70 °C

HOUSING: ABS 1/8 DIN

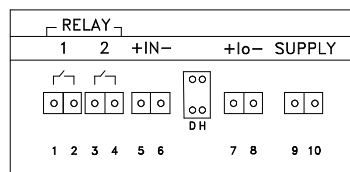
MOUNTING: Panel mounting

DIMENSIONS: 96(W)48(H)x120.3(D)

Dimensions



Connection Diagram



data subject to change without notice

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