Digital Panel Display

multicompPRO

Description

The 4 digit versatile counter frequency measurement ranging between 0.1Hz 10 KHz. It has a supply voltage rating of 10-30V DC/24V AC. The meter has a depth of 66mm, digits height of 14mm. This instrument is based on a microcontroller and an A/D converter, which ensures good accuracy and easy operation of the instrument. The 22mm cross-section of the circular instrument body allows for convenient mounting into mosaic and signalling panels.

Features

- 4-digit programmable projection
- Counter/frequency/clock/timer 0, 1 Hz to 10 kHz
- Digital filters
- Operating temperature ranges between -20°C and 60°C
- The instrument is set and controlled by two buttons located on the body\
- Size of Din 51.5mm × 29.5mm
- Power Supply 10 to 30V DC /24V AC
                24V AC/DC

Specification

Projection

Display	: -999 to 9999, single color 7-segment LED Projection for the Mode
Digit height	: 14 mm
Display color	: Red
Decimal point	: Adjustable - in menu
Brightness	: Adjustable

Instrument Accuracy

TK	: 50 ppm/°C
Accuracy	: ±0.05% of value + 1 digit
Overload capacity	: 2x
Watch-dog	: Reset after 500 ms
Calibration	: At 25°C and 40 % r.h.

Power Supply

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Range	: 10 to 30V DC/24V AC, ±10 %, PF≥0.4, ISTP< 45 A/1.1 ms, isolated
	24V AC/DC, ±10 %, PF≥0.4, ISTP< 45 A/1.1 ms
Consumption	: < 0.2 W/0.2 VA

Mechanic Properties

Material	: PA66, incombustible UL 94 V-I
Dimensions	: 51.5mm × 29.5mm × 66mm (w × h × d)
Panel cutout	: Ø 22.5mm

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Operating Conditions

Connection	: Connector terminal blocks, section < 1.3 mm^2
Stabilization period	: Within 5 minutes after switch-on
Working temperature	: -20°C to 60°C
Storage temperature	: -20°C to 85°C
Protection	: IP65 (front panel only)
El. safety	: EN 61010-1, A2
Dielectric strength	: 700V AC per 1 min test between supply and input
Insulation resistance	: For pollution degree II, measuring cat. II.power supply > 250 V (PI)
EMC	: EN 61326-1

Diagram
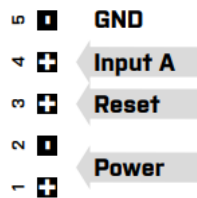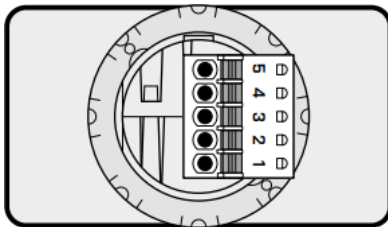
Part Number Table

Description	Part Number
4-digit Versatile counter, 10-30V DC/24V AC, Red	MP-335UC-01
4-digit Versatile counter, 24V AC/DC, Red	MP-335UC-21

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