



MOD 8S1

Frequency meter - 3 Digits 10-900 Hz

In its standard configuration, the MOD-8S1 is a microprocessor controlled, 3 digits, Frequency Meter which can be configured by front-panel keys.

The meter with crystal-based accuracy, and two-key front panel, which can be used to select two setpoints for ON/OFF control of alarm.

Setup parameters saved in non-volatile EEPROM.

General specifications

Conform to standards

IEC 1812-1, EN 50081-1/2, EN 50082-1/2

CE marking EMC (89/336/EEC, IEC 669-2-3.

Installation category acc IEC 664-1 Voltage surge

Creepage distance / clearance acc IEC 664-1 4kv / 3

Electromagnetic compatibility Level III

Immunity to electrostatic discharge

Acc to IEC 1000-42 Air 8KV

Immunity to electrostatic fields

Acc IEC 1000-4-3 Level III 10V/m

Immunity to rapid transient burst

Acc IEC 1000-4-4 Level III

Coupling clamp 1kv)

Immunity to shock waves on

Power supply acc IEC 1000-4-5 Level III

Immunity to radiofrequency in

Common mode acc ENV Level III (10V rms)

Immunity to voltage dips / breaks

Acc IEC 1000-4-11 30% / 10ms

Mains-borne and radiated emissions

Acc EN 55022 (EN 55011 Group 1) Class B

Mechanical

Self-extinguishing plastic housing, IP40 acc IEC 529

Mounted: front panel

IP rating: IP20 ac IEC 529

Terminal block: 4mm² 12AWG 250VAC

Box measures: 96x48 mm

Time base

Nternal clock reference 6.000 Mhz Crystal Osc

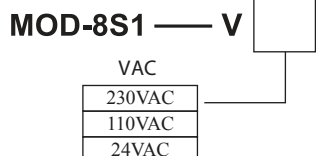
Calibration accuracy at 25°C ±60 PPM

Temperature stability, 0-60°C PPM

Long term drift: ±60 PPM/month

Ordering information

MOD 8S1 - R - V - P



60VDC
48VDC
24VDC
12VDC

230VAC
110VAC
24VAC

Technical Data

999 (3) count four scale

Frequency range: 10Hz to 900Hz

Fast low-frequency measurement:

Every 100ms + 1 signal period 0.56" bright red LED display

Low power requirement

DIN 43700 standard

Power supply: refer to table below

Input voltage protection

Overvoltage protection 600VAC for all ranges

Ambient conditions

Operation temperature

-20°C ... +55°C

Storage temperature

-25°C ... +70°C

Transport temperature

-25°C ... +70°C

Relative humidity acc IEC 68-2-6 15% ... 85%

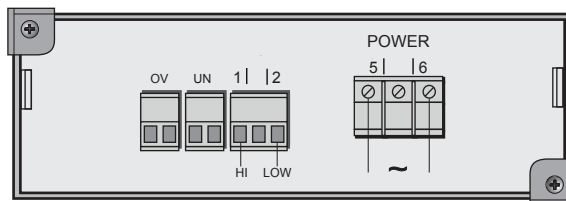
Vibration resistance 10 to 55 Hz (according to IEC 68-2-6)

Weight: 376 gr

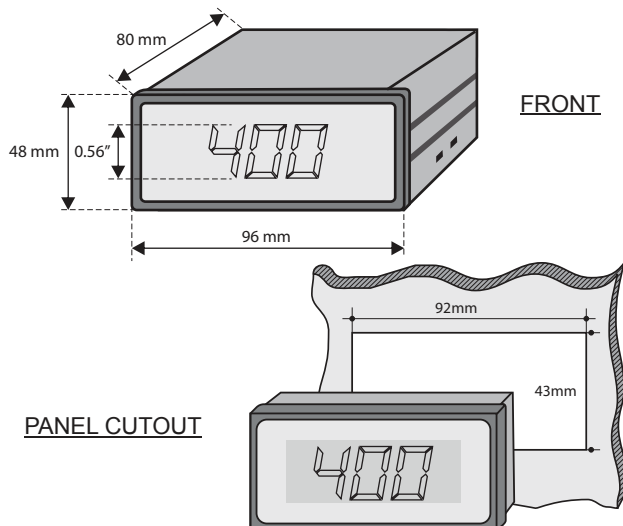
Ambient conditions

Range	199.9Ω	1.999KΩ	19.99KΩ	199.9KΩ
Resolution	100mΩ	1Ω	10Ω	100Ω
Excitation current	10mA	1mA	100μA	10μA

Back panel connection



Dimensions



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