

Rotating Speed Meter type RDM

Application

The rotating speed meter is a display unit for rotating speed monitor MDA6. Can be used for rotating speed value presentation in control room and/or directly at the machine.

Description

The meter accepts the conditioned impulses from rotating speed monitor, calculates the rotating speed and displays the value at the red LEDs of 25mm height. It remembers the last highest speed value that is displayed after push button pressing. By the same button the memory can be reset. The meter has two relay outputs for over-speed protection/information and serial port RS485 with Modbus RTU protocol.

The meter is made in steel sheet panel mounting type housing and is completed with mounting holders. The required hole dimensions are: 68x138 (height x width). At the rear side there are screw terminals for power supply and input/output signals.

Performances

METROLOGICAL

Input:

- Impulses 0-5V to 0-15V
- Input frequency maximum 30kHz
- Input impedance 100 kΩ

Outputs :

- Information at LED display, red LED diodes of 25mm height, measured value in RPM
- 2 Relay single-pole, double-throw (SPDT) contacts, epoxy sealed (IP67).
Relay contacts: 5A 250V AC, 5A 24V DC

Measuring Range: 0 to 99999 RPM

Accuracy: ±1rpm

ELECTRICAL

Supply voltage: 24VDC

Power consumption: 3W maximum

ENVIRONMENTAL

Operating temperature: 0°C do +60°C

Humidity: 95% without condensation

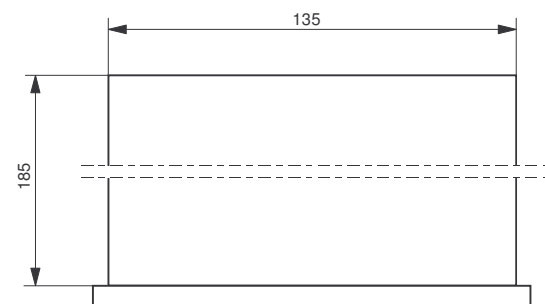
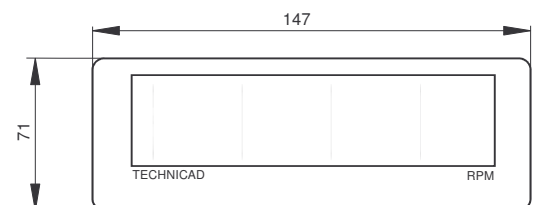
MECHANICAL

Weight: 1300g

Housing material: steel sheet

Dimensions (h x w x d): 66x144x215xmm

Protection: IP40, terminals IP00



Mounting hole dimensions: 138x68(mm)

Ordering Information

A B C D

RDM-□□ - □□□□ - □□□□ - □□□□

Options description

- A** □□ The number of impulses per one shaft revolution
e.g. 0 1 One impulse per one shaft revolution
6 0 Sixty impulses per one shaft revolution
- B** □□□□ Rotating speed measuring range in RPM
e.g. 04000 – measuring range is 4000 RPM
- C** □□□□ First over-speed binary output in RPM
- D** □□□□ Second over-speed binary output in RPM

