

OS2N – Frequency/speed meter

The OS2N meter (in connection with measuring transformer MT3) is designed for measuring net frequency (5 to 80 Hz, 20 to 230 V~). MT3 is also the product of OSC company.

- number of input: 1, doubled
- measuring frequency (speed) range: 0,24 to 82 Hz (14,3 to 4 923 RPM)
- input: 5 to 40 V~, input impedance > 4 kΩ (at 50 Hz)
- output: voltage 0 +10 V, user adjustable range
current loop 4 to 20 mA (0 to 20 mA), user adjustable range
serial interface RS232
serial interface RS485
2x level relay, user adjustable levels
LCD display
- number of periods of measured signal per measuring interval: 32, 16, 8, 4, 2 or 1
- measuring error: max. ± 1 mHz (for 32 periods)
- power supply: main 230 V~ ± 10 %, back-up 24 V=
- working temperature range: -10 °C to +60 °C
- design: DIN rail mounting plastic box (DIN EN 50022)

LCD display shows measured value in Hz, RPM or in percents of analog output range. Display is also used for setting of measuring parameters, analog output limits (current and voltage), adjustable levels of level relays and serial interface parameters.

Input, output and back-up power supply is connected by using WAGO terminals; main power supply is connected by screw terminals. Maximum allowed cross-section of connected wires is 2,5 mm².

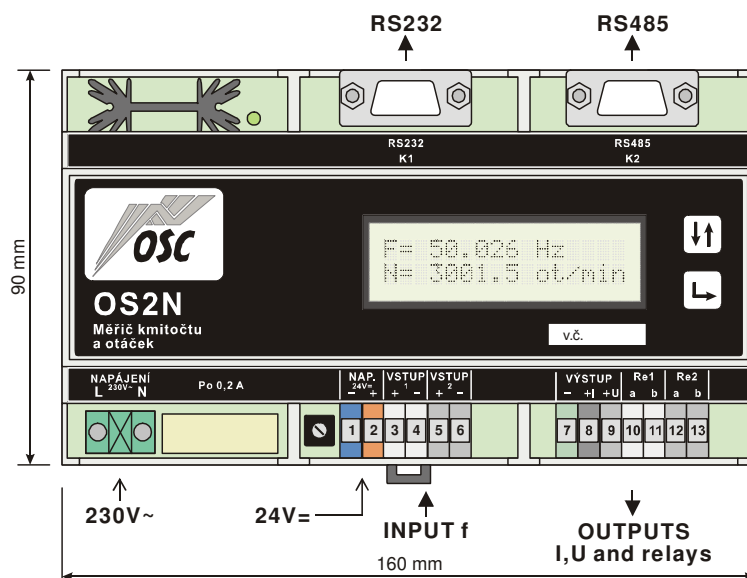


Figure 1: The OS2N view

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