



ELECTRONIC MAGNETIC POLE INDICATOR MPI-1

product information

Intended Use

The electronic magnetic pole indicator MPI-1 is designed for the identification of N or S poles of permanent magnets or solenoids supplied with a constant current.

The indicator can also be used for the detection of stationary magnetic field presence with the strength greater than the indicator sensitivity threshold.

Principle of Operation

When the magnetic indicator sensor approaches a permanent magnet or solenoid, the LED indicator lights up in blue at the identification of an N-pole and in red – at the identification of an S-pole.

The indicator is additionally equipped with a circuit of supply voltage measurement which indicates the necessity for battery replacement (the LED “Battery” begins flashing when the battery voltage falls below 8 V).



Technical Data

- ❖ sensitivity: 2,0 ÷ 8,5 mT,
- ❖ linear resolution (minimal distance between magnetic poles): 6 mm,
- ❖ supply voltage: 9V (6F22 or AM-6 battery),
- ❖ current consumption: 19 mA,
- ❖ operation time: ca. 20 h with zinc-carbon battery and ca. 30 h with alkaline battery,
- ❖ dimensions: 105x64x32 mm,
- ❖ weight (without battery): 80 g,
- ❖ operating temperature: - 20 ÷ + 60 °C.

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