

Magnetic pole detector with signal output

The electronic magnetic pole detector reliably indicates the North Pole or South Pole..

Model MPF-200-A and MPF-200-T

Features:

- **inexpensive**
- **Small probe tip for precise measurement**
- **Transversal or axial probe**
- **Standard with signal output**
- **Very easy to use**
- **Indicates immediate the Poles.**
- **Output for automation**
- **Indicates the North Pole and South Pole**
- **Does not magnetize or demagnetize, even in strong magnetic fields.**
- **Can detect the magnetic pole from 8mT (80 Gauss) or 3 mT (30 Gauss)**

Description:

The new portable electronic magnetic pole detector / magnetic pole detector MPF-200 can be located very precisely on the measuring object by the fine probe tip. The MPF-200 magnetic pole detector is available with a flat tip as a transversal or with a cylindrical as an axial variant.

By simply pressing the button, the red pole is immediately indicated by a red LED and the south pole is displayed by a green LED, and depending of the polarity a positive or negative voltage signal is present at the output.

In contrast to mechanical devices, which can be interfered w by magnetic influences the electronic magnetic pole MPF-120 pole detector can not be magnetized. The magnetic pole detector / finder can be used for NdFeB, SmCo, AlNiCo, hard ferrites and all other magnetic materials.

The smallest magnetic field possible for pole detection is $\pm 8\text{mT}$ (80Gauss) or $\pm 3\text{mT}$ (30Gauss).



Applications:

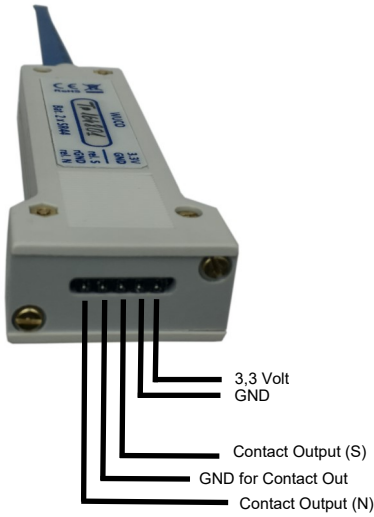
- Production monitoring
- Measurement of the polarity of rotors
- Coil tests
- Magnetization detection
- Magnetic orientation check
- Tools for electric motors manufacture and service
- Mounting and magnetic chuck
- Magnetic error detection
- Fault test for motors
- Multi-pole quality control

Specifications:

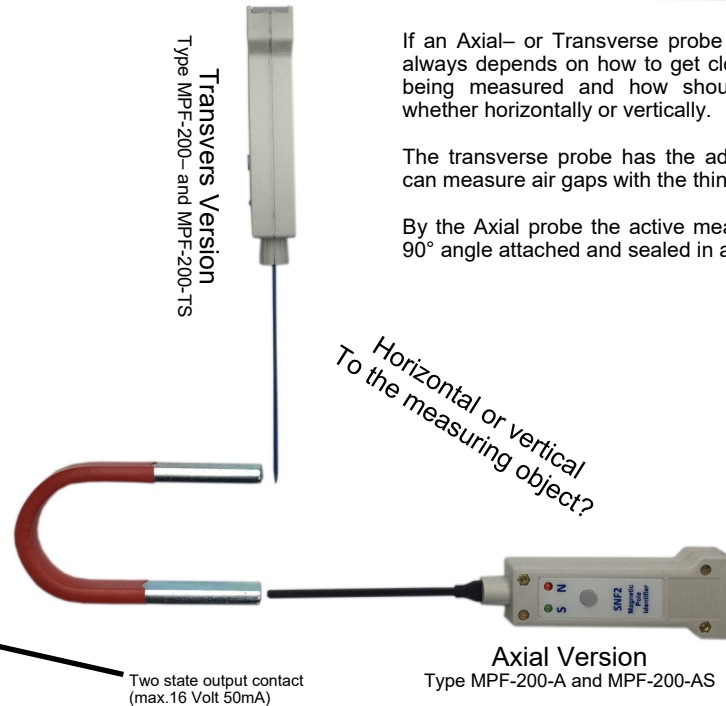
Sensitivity	$\pm 8\text{mT}$ (80G) or 3mT (30 Gauss) ON/OFF hysteresis
Display	Two LED's (Green for the South Pole red for the North Pole)
Power	2 batteries 1,5 volt (SR44)
Signal output	Two state contact output (max. 16 volts, 50mA)
Battery life time	In continuous operation more than 20 hours
Operating temperature	-20°C to +85°C
Storage temperature	-40°C to +150°C
Dimensions	180x30x18mm
Weight (include battery)	50 grams
Scanning area at the tip of the magnetic-pole searcher	0,3 mm x 0,3 mm

Signal output

Both versions are equipped with by default with signal output for use in control systems and automation.



Two state output contact (max.16 Volt 50mA)



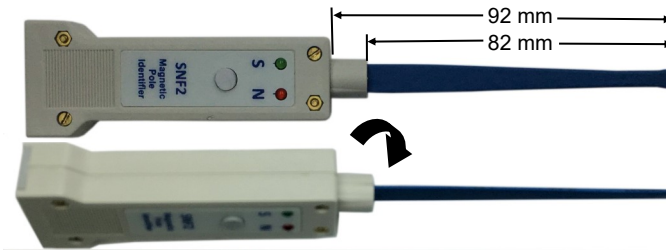
If an Axial- or Transverse probe is more suitable, always depends on how to get closer to the object being measured and how should be measured whether horizontally or vertically.

The transverse probe has the advantage that you can measure air gaps with the thin probe tip.

By the Axial probe the active measuring area is at 90° angle attached and sealed in a tube.

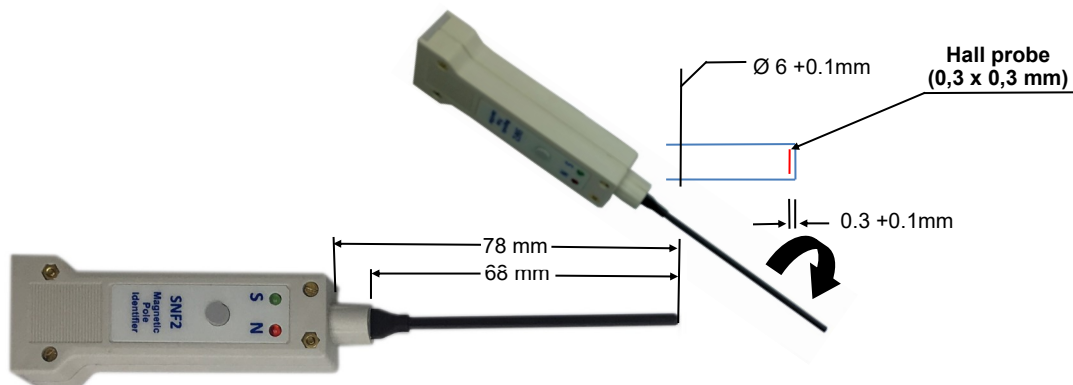
Dimensions and ordering information:

Transversal-Version



Order number	Model	Description
1099900	MPF-200-T	Professional electronic magnetic probe with flat transversal probe tip
1099901	MPF-200-TS	Professional high sensitive (3 mT) electronic magnetic probe with flat transversal probe tip

Axial-Version



Order number	Model	Description
1099905	MPF-200-A	Professional electronic magnetic probe with cylindrical axial probe tip
1099906	MPF-200-AS	Professional high sensitive (3 mT) electronic magnetic probe with cylindrical axial probe tip