

## > Portable Electronic Magnetic Pole Finder / Detector

**Detects a magnet's north and south pole and indicates polarity with a red or green LED**

Article Number: **30429**



This hand-held electronic magnetic pole/polarity detector instantly provides a reliable result for N or S polarity. Simple, push-button operation, just point and read: RED indicates NORTH, GREEN indicates SOUTH, supported by beep.

Unlike mechanical measuring devices which can be influenced by external magnetic fields, this pole finder is safe from erroneous readings and cannot be magnetized.

The magnet pole finder (pole identifier) is guaranteed to be 100 % accurate. It can be used for NdFeB, SmCo, AlNiCo, hard ferrite and most other magnets, as well as refrigerator magnets.

The minimum detectable magnetic field is  $\pm 17\text{mT}$  (170G)

### Features:

- inexpensive
- very easy to use
- instant polarity readout
- indicates North and South Pole
- will not be magnetized or demagnetized – even in extremely strong magnetic fields
- detects magnets starting from  $\pm 17\text{mT}$

### Applications:

- magnetic band testing
- coil testing
- magnetization verification
- magnetic orientation verification
- aid with the assembly of electric motors
- aid with the assembly of magnetic systems
- aid with magnetic trouble shooting
- multi-pole quality control

### Specifications:

sensitivity	$\pm 17\text{mT}$ (170G ON/OFF) hysteresis
unit display	Two LED's (Green for south and red for north pole)
power supply	4 x 1.5 V
operation temperature	-10°C to +70°C
storage temperature	-10°C to +50°C
dimensions	143 x 22 x 200 mm
detection area at the tip of the device	12 x 12 mm



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