

Catalogue

Pole Detectors & Field Viewers

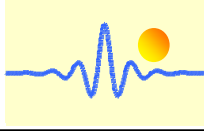
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Contact Address:

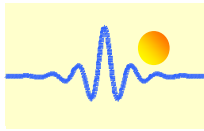
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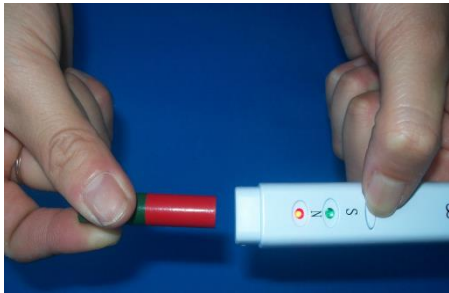
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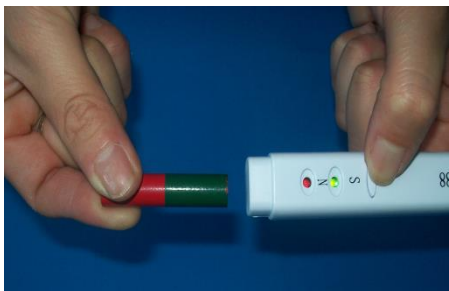
Magnetic Pole Detector/Identifier CY-PD288

The magnetic pole detector CY-PD288 is the new generation of the pole detector CY-PD248. It is powered with one battery (1.5V, type AAA). The continuous operation time of the battery is longer than 10 hours. The minimum detectable magnetic field is $\pm 9\text{mT}$ (90Gs).

Detection of Magnetic Pole



Simply press and hold the oval button shown on the photo left. Then, place the tip of the detector to the surface of the magnet. If it is the North Pole, the Red LED will shine, if it's the South Pole, the Green LED will light. It's very simple. And if the button is held and the unit is moved around the surface of the magnet, one can note the transition from one pole to another.



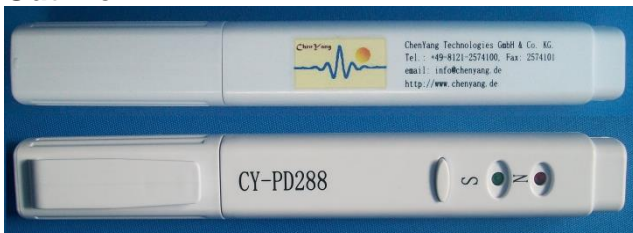
Applications

- Pole detection of permanent and electro magnets
- Measurement of stray magnetic fields in packaging
- Coil testing
- Post-magnetization polarity checks
- Assistance with the following tasks:
 - Electric motor assembly
 - Installation of magnetic clamping blocks
 - Error Analysis
 - Multipole quality control

Technical Data

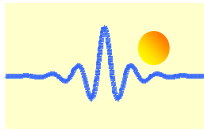
Dimensions	approx. 120 x 20 x 19mm, sensing area 6x3mm
Weight	approx. 70g inclusive battery and package
Display	two LED display (green = south pole, red = north pole)
Sensitivity	$\pm 9\text{mT}$
Operating temperature	-20°C ~ +85°C
Storage temperature	-40°C ~ +150°C
Battery	1 piece, 1.5V AAA LR03

Outline



Package

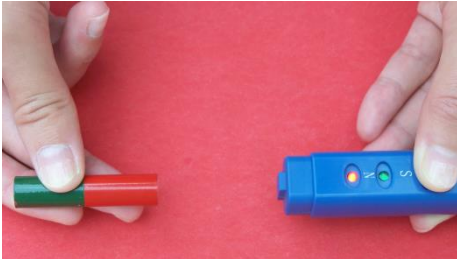




Magnetic Pole Detector/Identifier CY-PD198

The magnetic pole detector CY-PD198 is high sensitive device for detecting magnetic poles. It is powered with one battery (1.5V, type AAA). The continuous operation time of the battery is longer than 10 hours. The minimum detectable magnetic field is $\pm 3\text{mT}$ (30Gs).

Detection of Magnetic Pole



Simply press and hold the oval button shown on the photo left. Then, place the tip of the detector to the surface of the magnet. If it is the North Pole, the Red LED will shine, if it's the South Pole, the Green LED will light. It's very simple. And if the button is held and the unit is moved around the surface of the magnet, one can note the transition from one pole to another.



Applications

- Pole detection of permanent and electro magnets
- Measurement of stray magnetic fields in packaging
- Coil testing
- Post-magnetization polarity checks
- Assistance with the following tasks:
 - Electric motor assembly
 - Installation of magnetic clamping blocks
 - Error Analysis
 - Multipole quality control

Technical Data

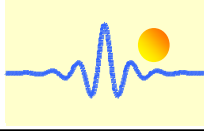
Dimensions	approx. 120 x 20 x 19mm, sensing area 4x3mm
Weight	approx. 70g inclusive battery and package
Display	two LED display (green = south pole, red = north pole)
Sensitivity	$\pm 3\text{mT}$
Operating temperature	$-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Storage temperature	$-40^{\circ}\text{C} \sim +150^{\circ}\text{C}$
Battery	1 piece, 1.5V AAA LR03

Outline



Package





Magnetic Field Viewers CY-MFV555

Magnetic field viewer is a common-used device for testing magnetic field distribution of magnet material and devices. This device is made of a special magnetic sensing film welded in a transparent card. Its main function is to view the distribution of magnetic lines and poles of permanent magnets and electromagnets etc. With the help of the viewer you can directly detect the magnet's pole numbers, distance between poles and poles' division etc. so that the magnetization can be evaluated. The magnetic field viewer is cheap, portable, and easy to use.

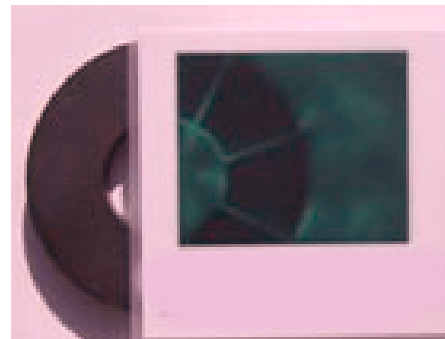
Film Size: 50x38mm
Sensitivity: 5-10mT



CY-MFV555

A magnetic sensing film detects magnetic fields between poles and also types of magnetization.

When laid on a magnet or magnet system, the film turns dark at the poles while the zones between north and south appear in a lighter colour.



Detecting the multi-poles of a ring magnet