

The Original  
**M**agnetic **p**ole **D**etector



**AN ESSENTIAL PRODUCT**

*that finally allows magnetic therapy users to verify the polarity and strength of the devices they buy.*

*Designed by an American ~ Manufactured in America*



Small enough to carry on your key chain or in your pocket.

Test Magnetic Therapy products in the store before you buy.

Retest Magnetic Therapy products over the years to assure polarity and magnetic strength.

Guaranteed for 2 years.

Each MpD comes individually packaged in an attractive, lined box with bow.



**Available in 2 styles**



Translucent  
GRAY



Translucent  
RED

## Why is a Magnetic Pole Detector Needed?

Magnetic fields as a therapeutic agent have been widely recognized for over two thousand years and have been found in the earliest writings of China, Egypt, India and Greece. Modern scientific investigations are substantiating the benefits of magnetic therapy and have even shown that the polarity and strength of the magnetic field can be critical in effective treatment. Magnetic devices with therapeutic claims are often sold without validation and can either be completely ineffective or possibly harmful as a result of the magnetic materials used in their manufacture. Until now the end user has had to take the word of these suppliers that their products meet the minimum basic requirements to produce a therapeutic effect. The MpD (Magnetic Pole Detector) is the original and only device commercially available to magnetic therapy users that will easily and conveniently validate the polarity and strength of the magnetic fields emitted by therapeutic jewelry and other devices.

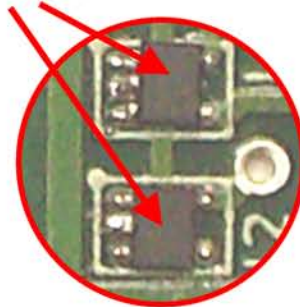
## Who Invented It?

The MpD was created by a Johns Hopkins University engineer with over 20 years experience in the development of medical monitoring and detection devices for the Johns Hopkins School of Medicine and the commercial medical industry including Becton Dickinson. The uniqueness and effectiveness of his inventions has resulted in the award of more than 27 patents in the United States and other countries. Many of the disciplines and knowledge acquired over the last two decades in both the engineering and medical sciences have been used in the development of the MpD to assure quality in design and manufacture.

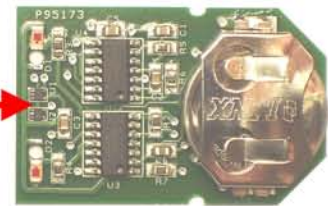
## How does it work?

At the heart of the MpD is a pair of integrated circuits, about the size of a grain of pepper, that contain sensors uniquely sensitive to the presence of magnetic fields; one specifically for north magnetic fields and one for south magnetic fields.

Magnetic Sensors



MpD Circuit Board  
(actual size)



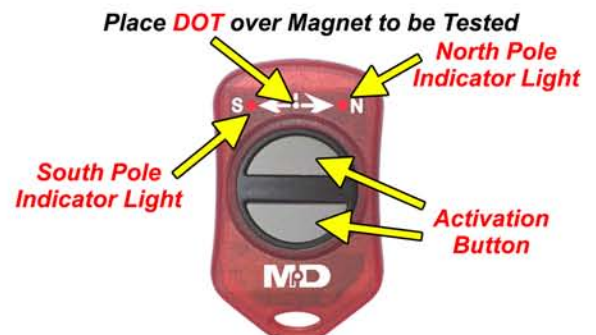
These sensors are based on a theory developed in 1879; which basically states that when electricity flows in a path perpendicular to a magnetic field, a new electrical field will be created perpendicular to both the flow of electricity and the magnetic field. A complex configuration of electronic components is constructed around each magnetic sensing element inside of the sensor integrated circuits to accurately and reliably measure this electrical field and compare it to preset references. Each time the MpD button is pressed the instrument is awakened from its standby mode to test the accuracy of the sensors (indicated by 3 to 4 rapid flashes from both pole indicator lights); any magnetic field with a strength greater than 30 gauss at the bottom surface of the MpD case will cause either the north or south indicator light to continue flashing. This extremely sensitive and accurate instrument was designed for simplicity of operation. It is easily capable of detecting much weaker magnetic fields; however, the purpose of the MpD is to validate the polarity and field strength of potentially therapeutic products.

The MpD is powered by a self contained Li-MnO<sub>2</sub> (Lithium Manganese Dioxide) power cell. Lithium batteries are used throughout the medical industry to power long term, critical devices such as artificial pace makers and other implantable devices. The cell sealed within the MpD case has sufficient energy to power the device for over 4 years of continuous use.\*

\* Continuous use means testing the magnetic polarity of a sample once every 15 minutes for 8 hours each day.

## Is it Easy to Use?

The MpD was designed for single button ease of use and reliability. On the top of the case there is a single button activated by pressing either of two soft pads depending on how you choose to hold the device. When either pad is pressed and a gentle pressure is maintained both of the Pole Indicator Lights will flash three or four times while the internal circuits are tested. While keeping pressure on the pad move the MpD over the magnet to be tested so that the "DOT" between the Pole Indicator Lights is directly over the magnet. As you approach the magnet either the North Pole Light or the South Pole Light will flash as long as the magnetic field strength is greater than 30 Gauss.



This product is not intended for use as a medical device. No claims are made regarding the validity of magnetic therapy.