

## GENERAL PURPOSE FIELD INDICATOR (NON-CALIBRATED)



MX3511

### GENERAL DESCRIPTION

The MX Industrial general purpose field Indicator is used to check residual magnetism after magnetic particle testing. It reads the amount of residual magnetism left in a part quickly when the indicator arrow is placed against a magnetized part.

#### Part Numbers

##### **MX3511: Residual or General Purpose Field Indicator**

The MX Industrial General Purpose Field Indicator is a non-certified rugged, pocket sized, non-calibrated field indicator that measures 2 1/2" in diameter and is perfect for field use. It is scaled +10 or -10 gauss from 0 center. Each division represents 1 gauss. The field indicator is used to determine if there is residual magnetism left in the part.

### INSTRUCTIONS

Place the field indicator near or directly against the object being tested. The lower rim of the indicator below the arrow is the most sensitive part of the meter and should be placed closest to the part being measured.

The indicator should be placed near a position on the part that exhibits flux leakage such as the end of a bar shaped part.

Magnetic polarity of the field is being measured by the direction of the pointer deflection on the center zero scale. A plus (+) indicates the meter has been presented to a North magnetic pole and a minus (-) to a South magnetic pole. The higher the reading, the stronger the magnetic field.



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# INDUSTRIAL

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Readings in gauss relate only to the magnitude of external leakage fields and should not be misconstrued as the flux density within the part.

**Note:**

1. *If you place the indicator in a field strong enough, it may throw it considerably off scale.*
2. *If your field indicator comes in contact with the field of a demagnetizing coil or within the effective field of a conductor carrying a heavy alternating current, it may become demagnetized.*

## **SPECIFICATIONS COMPLIANCE**

ASTM E709-08 (Section 18.3)

ASTM E1444/D1444M-12 (Sections 6.7.1.3 & 7.4.6)

BPVC (Section V, Article 7: T-778)