



# Applications Note Indicator Probes

The Indicator Probe is a special use probe, which shows the amount that standard probes are deflected in a test fixture. The indicator probe's plunger does not return to its original extended position after deflection. Indents in the side of the probe tube interfere with the free motion of the plunger and hold it at the position of maximum deflection. After numerous uses the indicator probe may lose its ability to remain in the deflected position and should be replaced.

Indicator Probes are identical in external dimensions to their standard counterparts. The entire plunger is unplated, so that it can be easily distinguished from a standard probe. Indicator probes are not intended for use as electrical contacts.

Indicator Probes are available with the #10-Headed Flat tip or the #40-Headless Spherical tip, with the exception of the X50-40 series which is available in the #43-Headless Chisel tip only. The Headless Spherical tip is intended for use in guided probe fixtures. Indicator probes are available for the 050-R/T25, 075-25, 100-25/40, X39-25, X50-25/40 and X75-25/40 probe series (see details below).

### Usage Directions:

A standard probe is removed from the fixture and replaced with the appropriate indicator probe. When installing the Indicator Probe for the first time, the Indicator Probe should be pushed into the socket therefore causing the plunger to stick down. The plunger must then be pulled back up without pulling the probe tube out of the socket. Tweezers can be used to hold the probe tube while pulling the plunger straight up. The fixture can then be reassembled, cycled once, and reopened. The plunger of the indicator probe will remain in the deflected position, showing its maximum deflection during fixture actuation.

