

OVERVIEW

The 9060-SCTS (Shaft Calibrator Touch Select) is used for testing 5mm, 8mm or 11mm proximity probe systems with a minimum probe body length of 63mm (2.5") when used as a static calibrator and a minimum probe body length of 100mm (4.0") when used with the shaft mounting adapter. It is also very useful for testing reverse mount probes with the probe holder still attached. The system can test probe systems up to 22mm in diameter.

The 9060-SCTS can be used as a Static Calibrator with the Target Mounting Plate (4140 target standard, other target materials available) installed or as a Shaft Calibrator with the Shaft Mounting Adapter installed.

The 9060-SCTS is adjusted by twisting the Gap Adjustment Ring and feeling for the "Clicks" or "Measurement Stops". Each increment is 200 μm (Metric units) or 10 mils (English units) depending upon the model selected.

The Metrix Shaft Calibrator is used to determine the actual proximity probe system output in mV/mil or mV/ μm of a machine shaft or piston rod. Proximity probe systems are usually calibrated by the manufacturer to 200 mV/mil (7.87 mV/ μm) using a 4140 steel target material.

FEATURES AND BENEFITS

- Easy to use
- Measure actual shaft or piston rod sensitivity
- Accepts proximity probes up to 22mm (0.866")
- 4mm (0.20") range
- Minimum probe body or probe holder length is 63mm (2.5") when used as a static calibrator and a minimum probe body or probe holder length of 100mm (4.0") when used with the Shaft Mounting Adapter
- Composite plastic (POC) Shaft Mount material does not affect sensitivity, mounting strap included
- Adjusting strap for shaft diameters from 25mm to 300mm (1 to 12 inches)

SPECIFICATIONS

WEIGHT AND DIMENSIONS

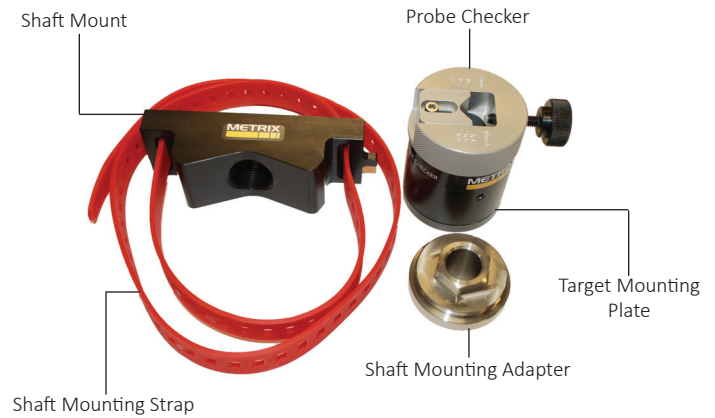
Housing Bottom/Target Material: AISI 4140 (42CrMo4)

Housing/Adjustment Screw Material: Aluminum

Dimensions D X H: 57 X 70mm

Weight: 600g

Probe Mounting: Prism holder for D = 8...22mm, clamping screw M6



OPERATIONAL CONSIDERATIONS

With English Units

Using the Probe Checker, the gap can be adjusted in 10 mil increments, and the gap voltage can be recorded. Using plotting paper, Excel or other tool the data can be plotted and the slope of the line (curve) can be measured. For 5mm and 8mm proximity probe systems the slope is usually 200 mV/mil $\pm 5\%$.

With Metric Units

Using the Probe Checker, the gap can be adjusted in 200 micrometer (μm) increments, and the gap voltage can be recorded. Using plotting paper, Excel or other tool the data can be plotted and the slope of the line (curve) can be measured. For 5mm and 8mm proximity probe systems the slope is usually 7.87 mV/ μm $\pm 5\%$.

HOW TO ORDER

9060 - SCTC -

A A A

A	A	A	
0	0	1	Shaft Calibrator Touch Select with English increments (0 to 200 mils)
0	0	2	Shaft Calibrator Touch Select with Metric increments (0 to 4mm)