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## Universal 3D Sensors



No. 53-710-175



No. 54-710-000

Fowler's Universal 3D Sensors, made in Germany, are very accurate and versatile and available in both mechanical and digital models.

### No. 54-710-000 3D Electronic Sensor

The digital version is a versatile and precise measuring instrument for milling and spark erosion machines (EDM). You may approach it in any direction (X-, Y- or Z-axis). Large digital display is easily read even from long distances. It includes a 3/4" clamping shaft with a resolution of .00005"/.001mm and accuracy of .0002"/.005mm using short sensor. True inch/metric conversion.

### 3D Mechanical Sensors

The 3D sensors are easily clamped into the milling spindle for exact positioning of the spindle axis on the edges of the workpiece or jig.

#### Specifications No. 53-710-175

- Clamping shank diameter: 3/4"
- Accuracy: .0004" (with short sensor)
- Length without clamping shank: 4-1/2"
- Short sensor insert diameter: 0.2"
- Long sensor insert diameter: 0.4"

#### Specifications No. 53-710-176

- Clamping shank diameter: 20mm
- Accuracy: .01mm (with short sensor)
- Length without clamping shank: 115mm
- Short sensor insert diameter: 4mm
- Long sensor insert diameter: 8mm

Part Number	Description
Mechanical:	
53-710-175	3D Mechanical Sensor with 3/4" dia. shank & .2" dia. sensor
53-710-176	3D Mechanical Sensor with 20mm dia. shank & 4mm dia. sensor
53-710-180	Replacement Short stylus, insert dia. .02", for No. 53-710-175
53-710-181	Replacement Short stylus, insert dia. 4mm, for No. 53-710-176
53-710-190	Long stylus, insert dia. 0.4", for No. 53-710-175
53-710-191	Long stylus, insert dia. 8mm, for No. 53-710-176
Electronic:	
54-710-000	3D Electronic Sensor with 3/4" dia. shaft. Includes .2" diameter sensor insert.
54-710-004	Replacement Short stylus, insert dia. .02", for No. 54-710-000
54-710-008	Long stylus, insert dia. .4", for No. 54-710-000



German Engineered  
Quality!

