Auckland: (09) 2717 234
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Product Brochure For M695

# Toolmaster Universal 3D Tester - TM-3DT

Made In Germany




Made in Germany

1 YEAR WARRANTY

**Limited Stock**

| Ex GST | Inc GST |
|---|---|
| $660.00 | $759.00 |

| | |
|---|---|
| ORDER CODE: | M695 |
| MODEL: | TM-3DT |
| Type: | 3D Tester |
| Accuracy (mm): | 0.01 |
| Shank Diameter: | 12 |
| Tip Diameter (mm): | Ø3 |
| Length without clamping shank (mm): | 135 |
| Overall Length: | 170 |
| D (mm): | ~ |
| d2 (mm): | ~ |
| L (mm): | ~ |
| l1 (mm): | ~ |
| l2 (mm): | ~ |
| Battery: | ~ |
| Nett Weight (kg): | 0.5kg |

## Description

Manufactured in Germany

Universal 3D Tester including short probe tip

The Universal 3D-Sensor is a very precise and versatile measuring instrument for milling machines. It is an instrument that no shop can do without. The 3D-Sensor is clamped into a tool holder and inserted into a milling spindle. Once clamped into the machine spindle, the run-out (T.I.R) is fully adjustable to zero. Then, you are able to find exact positioning of the spindle axis on the edges of the work piece. This allows for zeros to be set and the length to be measured quickly and easily. You may approach in any direction (X-, Y-, Z-axis - hence the name "3D-Sensor"). When the dial gauge shows zero, the spindle axis is exactly on the workpiece edge. Only the 3D-Sensor allows for the edge to be found on the first attempt. No calculating of the probe's ball diameter is necessary - just zero it out! Problems with mathematics or calculations are eliminated, allowing for fewer operator errors. Our 3D-Sensor is quick and easy, reducing the non productive time, increasing the productivity and accuracy of the operator.

Short and long probes are available. The sensor probes may be changed without any tool. No re-calibration of the unit is needed after change of the probe. Simply bring the needle to zero, and that is your edge with any probe. The accuracy is such that you are able to inspect your parts right on the machine. Tram vices, find the centre of your bore, find your edge and inspect parts, it is all possible with the 3D-Sensor, The unit has a large overrun distance in connection with the fully tested pre-set breaking points giving the sensor long life.

## Features

- Ø12mm Shank
- 0.01mm Accuracy
- 135mm Length without clamping shank

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## Specific Features



Left View



Rear View



Low View



Tip

## Recommended Accessories

M695A

3D Tester Replacement Probe Tip - Ceramic Stem



M695B

3D Tester Replacement Probe Tip - Ceramic Stem

