

3D Digital

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**Revolutionary: Digital & Analogue on one display!**

Analogue display  
Rough scale

Analogue display  
Fine scale 0,01 mm  
from -0,250

Digitale Anzeige  
Auflösung 0,005 mm

Probing status LED  
Off = Rough scale  
Green = Fine scale  
Red = Warning range



Revolutionary! The new **3D Tester Digital** combines the best of two worlds, as the 3D Tester Digital is digital and analogue at the same time: The digital display with numbers allows you to accurately read digitally. Tracking a rapidly changing digital display with your eyes is nearly certainty, the additional analog display of the 3D Tester Digital gives you security when reading. Because a moving pointer can be followed visually much better and more reliably. Additionally, a built-in LED shows the status of your probing with the help of different colours and protects you from overpassing and a possible resulting defect. With the 3D Tester Digital, you quickly and easily determine workpiece zero points and lengths in all axial directions (X/Y/Z) and you can adjust you workpiece or vice to the machine axis.

**How to work with the 3D Tester Digital:**

Clamp the 3D Tester into your tool holder, adjust the run-out and there you go:



**Rough scale (1.5 till 0,25 mm)**  
Fast approach and safe probing thanks to the analogue rough display. The eye can easily follow the progress as the black bar decreases clockwise.



**Fine scale (0,25 till 0 mm)**  
At -0,250 mm, the display changes to the fine scale and the green LED lights up.



**Zero point (precisely reached)**  
When the „0“ is reached, the spindle axis is positioned precisely on the edge of the workpiece.



**Danger of crash (0 mm till ERR01)**  
When overpassing, the LED warns in red and the black bar builds up clockwise to the right. Shortly before crash (>1 mm), you can see ERR01 on the display..



Of course, the 3D Tester Digital is small and slim, waterproof (IP67) and is delivered with a serial number and a test certificate. The scope of delivery also includes a CR2450 battery and a ceramic probe tip Ø3. Both items are available as spare parts.

Switch on the 3D Tester Digital by moving the probe tip in any direction X, Y or Z. If not used, the probe switches off after 2 minutes.

The well-known ceramic probe tips with carbide ball Ø3 and Ø6 mm are compatible.

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Video



Article no.	Description	Shank	Ball
001D30012	3D Digital	Ø12	Ø3

You can find spare parts on page 26.