



TSCHORN®

Probes & Tools Technology



3D Testers

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 $\varnothing 3$. 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.



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Delivery starts in January 2023

Article no.	Description	Shank	Ball
001D30012	3D Digital	Ø12	Ø3
001D32450	Spare battery CR2450		



You can find spare parts on page 26.