

Garant
Contour measuring instrument, Type: CM1-PRO
Order data

Order number	499250 CM1-PRO
GTIN	4062406388126
Item class	41Q

Description
Version:

Simple contour measuring instrument with non-contact, optically incremental measuring system. **Solid granite base** and high-precision axes with wear resistant sliding bearings. CNC-controlled X and Z-axes (either by keyboard or optionally by joystick).

Measurement functions:

- **Set the measured section and measurement rate.**
- **Programming automatic procedures by Teach-In.**
- **Simple selection of regression lines and circles.**
- **Create free and dependent intersections.**
- **Create auxiliary lines, auxiliary circles and reference spheres.**
- **Rotate contours and mirror contours.**
- **Determine the shape and position.**

CNC-controlled Y-table for automatically searching for the highest and lowest point in the Y-direction and top-down option.

Supplied with:

Supplied with measurement computer, monitor, mouse and keyboard, calibration standard, contact point mounting, contact point 20.5 mm. Additionally, CNC-controlled Y-table and top-down software option.

Optional extras:

Joystick No. 499255, software options No. 499258, mountings and contact points 499260 – 499269.

Note:

We reserve the right to make technical changes and to change the version of the PC and monitor.

Measuring range X: 190 mm

Measuring range Z: 275 mm

Measuring range Y: 40 mm

Control in X and Z: CNC

Control in Y: CNC

Measuring system X, Z and T: High-accuracy, incremental, non-contact

Technical description

Footprint length	645 mm
Measuring system X, Z and T	High-accuracy, incremental, non-contact
maximum component weight	100 kg
Measuring accuracy XZT axis combined	$\pm (2+L/50) \mu\text{m}$
Control in X and Z	CNC
Baseplate depth	380 mm
Measuring range X	190 mm
Straightness	$\pm (2+L/50) \mu\text{m}$
Control in Y	CNC
Resolution in Z in relation to the measurement system	0.02 μm
Measuring range Y	40 mm
Measuring range Z	275 mm
Height	550 mm
Weight	40 kg
Resolution in Z in relation to the contact point	0.028 μm
Power supply	Mains operated
Type of product	Contour measuring tool