



Contour measuring instrument, Type: CM1-Y



Order data

Order number	499250 CM1-Y
GTIN	4062406155339
Item class	41Q

Description

Version:

Simple contour measuring instrument with non-contact optical incremental measurement system. **Solid granite base** and high-precision axes with pre-loaded zero-play linear ball 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 automatic searching for the highest and lowest points in the Y-direction. **Recommended for top-down measurement.**

Supplied with:

Supplied with measurement computer, monitor, mouse and keyboard, calibration standard, contact point mounting, contact point 20.5 mm.

Optional extras:

Joystick No. 499255, software options No. 499258, mountings and contact points 499260 – 499269. Top-Down software option with calibration standard No. 499257.

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

Measuring accuracy XZT axis combined	$\pm (2+L/50) \mu\text{m}$
Straightness	$\pm (2+L/50) \mu\text{m}$
Measuring range Y	40 mm
Weight	40 kg
Baseplate depth	380 mm
Resolution in Z in relation to the measurement system	0.05 μm
Height	550 mm
Measuring range Z	275 mm
Measuring range X	190 mm
Footprint length	645 mm
Resolution in Z in relation to the contact point	0.05 μm
maximum component weight	100 kg
Measuring system X, Z and T	High-accuracy, incremental, non-contact
Control in X and Z	CNC
Control in Y	CNC
Power supply	Mains operated
Type of product	Contour measuring tool