



Standardgage CMS

Standard Gage

STANDARD GAGE - VISUAL 250



The VISUAL Vision Machine 250 is the answer to a growing demand of industry for workpieces that could not be measured using common tactile precision tools. The VISUAL 250 is compact but with no compromise on its metrological performances. This manual machine meets most of the market needs for 2D-measurement. Featuring a solid mechanical construction, the machine can equally be used in the workshop as in the inspection laboratory. Equipped with VISUAL GAGE “the software that requires less than a half-day training” the VISUAL 250 is a perfect multi-tasking and multi-users inspection means.

â– Exceptional Quality/Price ratio

The machine has been specially marketed to offer an alternative option in the field of vision at highly optimized costs, whilst guaranteeing optimum accuracy besides a high-quality level.

â– Z-axis

This coordinate axis is moved from the front of the machine, directly.

â– X/Y coordinate tables

Both X and Y coordinate tables have a built-in, hand-operated release system, speeding up any displacement needed to reach the measuring area.

â– Manual zoom

The delivery scope includes an indexable manual zoom with optical magnifications from 0,7x up to 4,5x (6,5:1).

â– Light illumination

The Visual 250 is fitted with two illuminations through LEDs â€” i.e. a ringlight for episcopic illumination (top) along with a diascope illumination (bottom) for part profile projection. Both are controlled over the software. â– Laser pointer

A laser pointer is included to make tracing the measurement zone on the part being inspected easier. Â Â

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Technical data

Order number	06834700
Releasable X- and Y-axis	âˆš
Measuring range (X/Y)	250 x 150 mm
Z-Displacement	200 mm
Maximum workpiece weight	10 kg
Accuracy	
MPE _{xy} (E _x , E _y)	3,9 Âµm + L /150* (L in mm)
MPE _{xy} (E _{xy})	4,9 Âµm + L /150* (L in mm)

*mâ‰±5 kg, uniformly distributed

Camera and Optics

CCD colour camera, 752 x 582 pixels	âˆš
Indexable zoom (0,7x up to 4,5x)	âˆš
Diascopic illumination, green LED	âˆš
Ringlight with a white LED	âˆš
Laser pointer	âˆš

Additional data

Calibration	at 10 mm
Weight (w/o monitor and computer)	180 kg
Power supply	115 to 230 Vac Â±10%, 50 to 60 Hz
Overall dimensions of the machine alone (LxHxD)	716 x 1015 x 753 mm
Reference temperature	20Â°C Â±1Â°C
Operating temperature range	10Â°C to 40Â°C
Relative humidity	
VISUAL GAGE application software	âˆš
Provided with monitor and computer	âˆš