Rollscope TM2

The portable measuring microscope TM2 is used for completely main power independant measurements of structures on rollers and flat or cylindric products with 3 digital measuring axises (x/y/z).

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The portable measuring microscope TM2 is put directly on flat or cylindric products to be measured. Its prism base assures a safe stand. The surface of the product is protected from damage by a rubber armor.

The 15x eye-piece is equipped with a graticule containing a crosshair and concentric circles. The lenses 5x, 10x, 20x, (40x optional) are exchanged by a lens turret.

Two precision digital micometers on measuring axises with cross-roller bearings are used for the x/y measurement. The z-measurement is done by focusing with a coarse/fine adjustment and a digital dial gauge.
A comfortable fast adjustment with clamp is used for coarse pre-adjustment.

The battery power supply and illumination control are integrated in the base.

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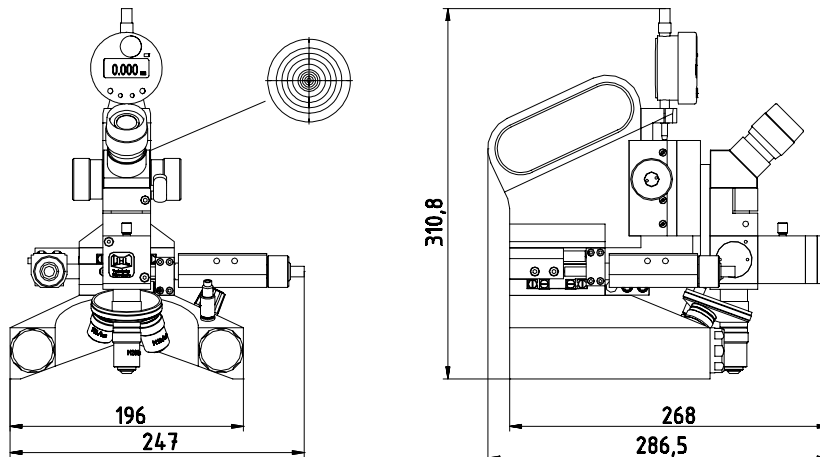Fax   (0 64 41) 8 57 18

www.walteruhl.com

Technical data:

measurment range x/y:	25 mm
measuring range z:	12 mm (additional coarse adjustment of ±25 mm)
resolution:	1 µm
lenses:	5x, 10x, 20x on turret (40x optional)
eye-piece:	measuring eye-piece 15x with crosshair and concentric circles (optional angle-measuring eye-piece or c-mount camera adaptor available)
illumination:	coaxial incident LED illumination, integrated battery power supply and illumination control (optional LED side illuminations on lamp joints for 5x lens available)
weight:	approx. 9,5 kg

Incident light objectives for finite tube length 160

order no.:	magnification	working distance AA (mm)	object diameter (mm) tube with inclined monocular	field of view (mm x mm) tube with 1/2" CCD-camera
OP1-AL05	5:1	18,5	2,6	0,95 x 0,77
OP1-AL10	10:1	6,7	1,3	0,45 x 0.36
OP1-AL20	20:1	1,8	0,7	0,24 x 0,19
OP1-AL40	40:1	0,6	0,35	0,12 x 0,09

Dimensions:

310,8

196
247

268
286,5

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