

TESASCOPE 300V and 300V Plus

TESASCOPE® 300V and 300V plus®

Description

Reliable and dependable, the high quality of the projected image provides the operator with reliability and dependability for accurate measurements.

A wide choice of accessories adds to the remarkable flexibility of these optical systems with modular design. The multiple configurations allow any geometric part feature to be easily measured.

Measured parts

These profile projectors are ideally suited for non-contact measurement of components that require a magnification up to 100 x - whatever their material or their shape.

Features

- 12" (300 mm) diameter rotary screen with chart clips, cross line 30°, 60°, 90°
- Solid steel construction
- Profile illumination with green filter
- Fiber optic surface illumination
- "Save Lamp" system (lamps switch off automatically if there is no stage movement during several minutes; life of light bulbs increased by 5)
- Quick change bayonet lens mount (lenses not included)
- RS232C output for data transfer
- Drawings side mount
- Hard anodized stabilized stage with clamping slot for tooling, equipped with linear glass scales with 0.0001 in/0.001 mm resolution
- Focus travel: 4" (100 mm)

- Maximum weight on stage: 40 lbs (20 kg)
- Built-in angular readout (degrees/minutes)
- Calibration certificate according to VDI- VDE 2617 - B89 4.1.1997
- Dimensions: 20" x 41" x 31" (L x H x D)/508 x 1042 x 788 mm
- Weight: 240 lbs (110 kg)
- Power supply: 110 Vac - 50 Hz/230 Vac

Product Specs

Catalog No.
Table
Calculating and readout boxes

TESASCOPE 300V

06830001
X=8"/200mm

Y=4"/100mm
TS-100

06830002
X=8"/200mm

Y=4"/100mm
TS-200

06830003
X=8"/200mm

Y=4"/100mm
TS-200E Edge Finder

TESASCOPE 300V Plus

06830004
X=12"/300mm

Y=4"/100mm

TS-100

06830005
X=12"/300mm

Y=4"/100mm
TS-200

06830006
X=12"/300mm

Y=4"/100mm
TS-200E Edge Finder

All models come with Base. Models have quick release with fine adjustment.

Magnification
Lens & Lens Body Length
Working Distance
Maximum Height
Maximum Diameter

10x
1.18in / 30mm
3.15in / 80mm
3.94in / 100mm
7.87in / 200mm

20x
1.26in / 32mm
3.23in / 82mm
3.94in / 100mm
7.87in / 200mm

25x
1.73in / 44mm
2.76in / 70mm
3.94in / 100mm
7.87in / 200mm

31.25x
2.4in / 61mm
2.2in / 56mm
3.94in / 100mm
7.87in / 200mm

50x
2.48in / 63mm
2.09in / 53mm

3.94in / 100mm
7.87in / 200mm

100x
2.8in / 71mm
1.69in / 43mm
3.94in / 100mm
7.87in / 200mm

Accessories

Accessories for all TESASCOPE®

Catalog No.
Description

06860015
200 x 100 mm glass stage/300V

06860016
300 x 150 mm glass stage/300V PLUS

06860017
300V screen with 4 chart clips

06860018
355H screen with 4 chart clips

06860019
500V screen with 4 chart clips

06860020
Profile lamp (24 V-150 W)

06860021
Surface lamp (24 V-150 W)

06860023
Remote foot switch

06860025
Vise stage 300V - 500V - 355H

06860026
Vise stage with fixture base/355H

06860027
TESA demo part

06860022
Rotary table, \varnothing 150 mm/300V - 500V - TESAVISIO®

06860024
V-Blocks combination & centers (for all models)

Telecentric lenses for TESASCOPE® 300V - 355H

Catalog No.
Description

6860001
10 x Telecentric lens

6860002
20 x Telecentric lens

6860003
25 x Telecentric lens

6860004
31.25 x Telecentric lens

6860005
50 x Telecentric lens

6860006
100 x Telecentric lens

Additional Resources

- [Click Here](#) to request additional information.
- [Click Here](#) to request literature for this product.
- [Click Here](#) to download our current catalog. (PDF 60 MB)