

TESASCOPE 355H and 355H Plus

TESASCOPE® 355H and 355H plus®

Description

For measurement of round and complex parts, these dedicated modular systems are made to measure round and complex parts on the shop floor, as well as in the metrology laboratory.

They are provided with a TESA TS-100, TS-200 or TS-200 E calculating and readout box.

Measured parts

Round and complex parts of all kinds that need to be regularly inspected.

Features

- 14" (355 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: 3.15" (80 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 36" x 43" (L x H x D)/500 x 912 x 1093 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

06830011
X=8"/200mm

Y=4"/100mm
TS-100

06830012
X=8"/200mm

Y=4"/100mm
TS-200

06830013
X=8"/200mm

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

TESASCOPE 300V Plus

06830014
X=12"/300mm

Y=4"/100mm
TS-100

06830015
X=12"/300mm

Y=4"/100mm
TS-200

06830016
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
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06860015	200 x 100 mm glass stage/300V
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06860016	300 x 150 mm glass stage/300V PLUS
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06860017	300V screen with 4 chart clips
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06860018	355H screen with 4 chart clips
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06860019	500V screen with 4 chart clips
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06860020	Profile lamp (24 V-150 W)
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06860021	Surface lamp (24 V-150 W)
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06860023	Remote foot switch
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06860025	Vise stage 300V - 500V - 355H
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06860026	Vise stage with fixture base/355H
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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)