

SMARTSCOPEVANTAGE

High Technology Multisensor Metrology System

	Travel	mm
Vantage 300	X axis	300
	Y axis Z axis	300 250

Large Capacity **Dimensional Metrology** on a Benchtop









Precision dimensional metrology with extreme accuracy. A range of sensor technologies to address every dimensional attribute. A patented "elevating bridge" design with 300x300x250 mm measuring volume -- yet small enough to fit on a benchtop. SmartScope® Vantage $^{\text{TM}}$ 300 provides the measurement versatility needed for the most critical and demanding parts.

SmartScope Vantage 300 features patented TeleStar® 10:1 metrology zoom optics that are fully telecentric, continuously variable, and are AccuCentric®, auto-calibrating at every magnification change to ensure accuracy over the lifetime of the system. Vantage 300 has a level of optical imaging performance previously thought possible only in fixed lens systems, with the functionality of a continuously variable zoom lens.

In addition to its excellent video measuring performance, Vantage 300 is fully multisensor capable, available with touch probe, TeleStar interferometric TTL laser, micro-probes, rotary indexers, and even the SP25 continuous contact scanning probe, as well as the helpful laser pointer. Powerful MeasureMind® 3D MultiSensor metrology software makes it easy to program the most detailed multisensor measurement sequence which then runs automatically. View and interact with measured results to make intelligent product and process decisions.

SmartScope Vantage 300 joins the family of dependable OGP measurement systems used by manufacturers around the world to maintain and improve the quality of parts that go into products we all use every day.

■ Standard ■ Optional



Technical Specifications

Stage travel (XYZ): 300 x 300 x 250 mm Measuring unit dimensions (approx LWH), weight: 80 x 85 x 80 cm, 159 kg	
size	
.8x - 8x, 10 position	
8 sector/6 ring SmartRing LED (green)	
t OGP for possible combinations of sensors)	
ensing); vibration <0.001g below 15 Hz	
<i>5.</i>	
MB floppy, DVD-RW drive,	
user supplied)	
X®, SmartScript®, SmartTree™, SmartProfile™	
m zoom lens setting.	
eStar TTL laser; or TP200 touch probe)	
estai TTE lasel; of TP200 touch probe)	
t - '	

Patent Number 6,518,996 "Patent Numbers: 5,389,774 (AccuCentric); 6,292,306 (TeleStar) "Patent Number 6,161,940 ""Patent Number 5,690,417 *XYZ volumetric artifact: QVI dual linear grid reticle.

^{****}Z axis artifact: QVI step gage or master gage blocks.



Multisensor Measurements for Manufacturing Professionals

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^{**}With evenly distributed 5 kg load in the standard measuring plane. Depending on load distribution, accuracy at maximum rated load may be less than standard accuracy. XY axis artifact: QVI 25 intersection grid reticle in the standard measuring plane. The standard measuring plane is defined as a plane that is 25 mm above the worktable. XYZ volumetric artifact: QVI dual linear grid reticle.

***X,Y axis artifact: QVI video and comparator reticle.