CMS106 Laser Line Sensor

Laser Line Scanning Probe

The CMS106 is a laser line scanning probe with two unique features:

- three level zoom offering a 25, 60 or 120 mm laser line
- automatic, real-time laser power adjustment

The CMS106 is a high accuracy, non-contact laser scanner. It is available for bridge and horizontal arm coordinate measuring machines. The probe offers fast and accurate non-contact inspection of free form surfaces and sheet metal features. It is ideal for reverse engineering applications where data accuracy and integrity is of the upmost importance.

Part No.

- CMS106 system (TKJ): 03939500
- Warming post for TESASTAR-r: 03939507
- Manual warm-up post (TKJ): 03939508
- Set of 4 TKJ Angular Adapters: 03969394

Technical Characteristics | Dimensions | Inquiry

Technical Characteristics	
Laser	Visible Red, Class 2, 690 nm
Standoff and Depth of FOV	170 ± 30 mm
Width of FOV	25, 60, 120 mm User Selectable
Resolution (Min) (Point Spacing Along Laser Line)	25 µm
Line per Second	53 Hz
Accuracy*	±20 µm
System Accuracy (ISO 10360-2 Ball Bar)	From 40 µm MPEsd
Ambient Light Immunity	40,000 LX
Operating Temperature Range	10 ~ 42° C
Temperature Range of Sensor for Declared Accuracy	15 ~ 32° C
Operating Temperature of Controller	Max. 50° C
Sensor Size L x W x H	134 x 72 x 60.5 mm
Sensor Weight	382 g

* The sensor accuracy is defined as the maximum deviation of the X or Y center location of a cylinder through the measuring range of the sensor.

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