

LINE CONFOCAL SENSOR LCI1600

The LCI1600 is used for high-precision, continuous non-contact measurement. It is especially well suited for applications requiring the widest field of view and the best combination of measurement range and stand-off distance.

FocalSpec® LCI1600

Field of view (mm)	16.60
Resolution X (µm)	8.10
Z-repeatability (µm)	0.24
Stand-off distance (mm)	64.00
Measurement range (mm)	5.50
Scan rate at full measurement range (Hz)	500
Max. scan rate (Hz)	3000
Number of points/profile	2048
Max. surface slope on mirror (deg)	± 13.50
Dimensions (H x W x D) (mm)	432 x 358 x 113
Weight (kg)	20
Degree of protection (EN 60529)	IP30
Power	24 VDC, 2A
PC connectivity	Gigabit Ethernet
Line synchronization	Three fast isolated digital inputs, 24 V

FocalSpec®



LCI1600



FocalSpec® Standard

Line Confocal Sensors

FocalSpec Standard Line Confocal Imaging (LCI) Sensors provide the highest measurement accuracy for today's smart manufacturing environments, which require continuous measurement and analysis of a large variety of surface materials. Among others, these sensors can be used in the electronics, medical, plastics, and packaging industries.

Common applications for these sensors include 3D surface profiling, 3D dimensioning and tomography, burr height, surface roughness and seal integrity inspection. They are well suited not only for continuous product quality control but also the optimization of various stages of the manufacturing process.

AMERICAS

LMI Technologies Inc.
Burnaby, BC, Canada

EMEAR

LMI Technologies GmbH
Teltow/Berlin, Germany

ASIA PACIFIC

LMI (Shanghai) Trading Co., Ltd.
Shanghai, China

LMI Technologies has sales offices and distributors worldwide. All contact information is listed at lmi3d.com/contact

