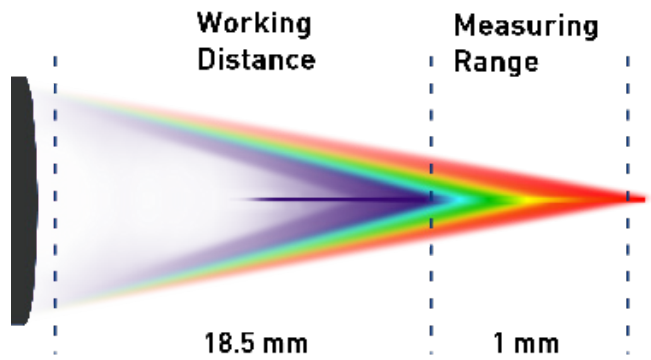


EVEREST K1

NEW
2020

MARPOSS
STIL

Chromatic Confocal Controller



- Multiple applications, from roughness to 3D topography (Swiss Army knife equivalent)
- Large Numerical Aperture (up to 0.7) to measure high slopes and tilted samples
- Several measuring ranges at millimeters scales

Slope Angle



$\pm 44^\circ$

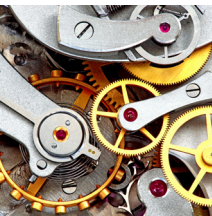
Accuracy



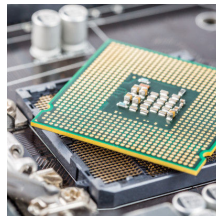
$\pm 0.075 \mu\text{m}$

DESIGNED FOR

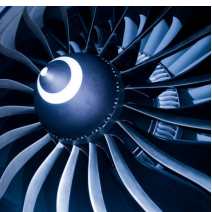
Mechanics



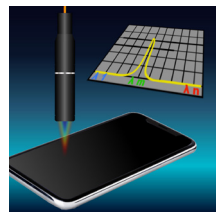
Semiconductors



Aerospace



Metrology



PERFECT FOR

Distance



Roughness



Thickness



Shape



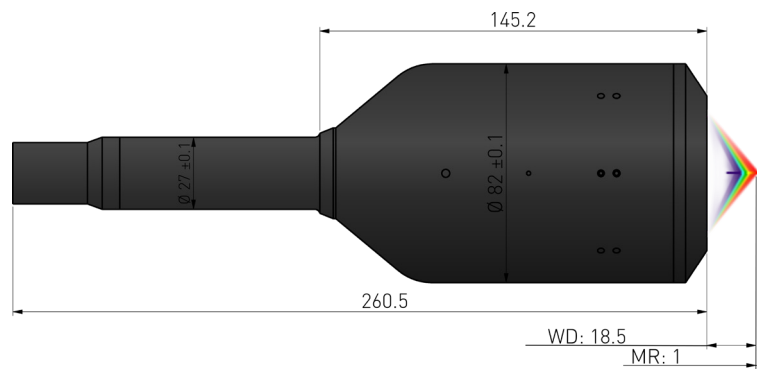
EVEREST K1

NEW
2020

MARPOSS
STIL

Chromatic Confocal Controller

DIMENSIONAL DRAWING*



Nota: All dimensions are in mm

SPECIFICATIONS*

Product	Unit	EVEREST K1
Order code		03PS0470001
Measuring Range	mm	1
Working Distance	mm	18.5
Numerical Aperture		0.7
Max. slope angle	°	± 44
Axial model		Axial
Max. linearity error**	µm	± 0.075
Static noise**	nm	37
Axial resolution**	µm	0.22
Lateral resolution	µm	2.5
Spot size	µm	5
Photometric efficiency		34
Min. measurable thickness***	µm	50
Length	mm	260.5
Diameter	mm	82
Weight	g	1400

** With CCS electronics (PRIMA & OPTIMA+)

*** These are typical values considering a layer of glass, i.e. considering a refractive index n=1.51

ASSOCIATED WITH

OPTICAL FIBER



- Standard cladding
- Stainless steel cladding
- Armored fiber

CONTROLLER



- ZENITH
- PRIMA, - OPTIMA +, PRIMA 2
- LIGHTMASTER
- STIL-DUO

www.stil-sensors.com

info@stil-sensors.com

+33 (0)4 42 39 66 51

Some of the items supplied by STIL S.A.S., or parts of them, may be subject to export control if exported outside the European Union, or may be subject to restrictive measures adopted by the competent national, supranational or international authorities. Buyer of the items delivered by STIL S.A.S. shall comply with all applicable export control and sanctions laws and regulations.

* Specifications are subject to modifications

ON07-000-N2-0822