EVEREST K2

MARPOSS STIL

Chromatic Confocal Controller

Working Distance | **Measuring Range**

19.2 mm | 2 mm

- 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
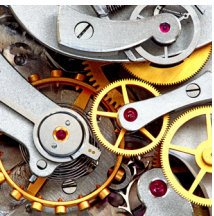- Several measuring ranges at millimeters scales

Slope Angle | **Accuracy**

± 42° | ± 0.15 µm
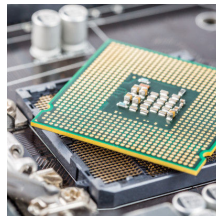
▶ **DESIGNED FOR**

Mechanics

Semiconductors

Aerospace
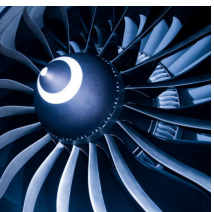
Metrology
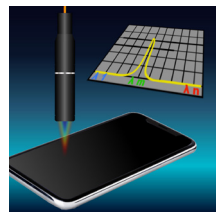
▶ **PERFECT FOR**

Distance

Roughness

Thickness

Shape

EVEREST K2

MARPOSS
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▶ ## DIMENSIONAL DRAWING*

243.4
111.2
Ø 27
Ø 82 +0.1
WD: 19.2
MR: 2
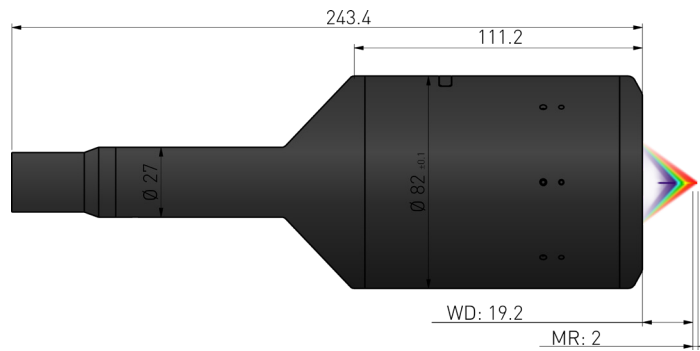
Nota: All dimensions are in mm

▶ ## SPECIFICATIONS*

Product	Unit	EVEREST K2
Order code		O3PS0472001
Measuring Range	mm	2
Working Distance	mm	19.2
Numerical Aperture		0.67
Max. slope angle	°	± 42
Axial model		Axial
Max. linearity error**	µm	± 0.15
Static noise**	nm	75
Axial resolution**	µm	0.45
Lateral resolution	µm	3.8
Spot size	µm	7
Photometric efficiency		52
Min. measurable thickness***	µm	100
Length	mm	243.4
Diameter	mm	82
Weight	g	1250

** With CCS electronics (PRIMA & OPTIMA+)
*** These are typical values considering a layer of glass, i.e. considering a refractive index n=1.51

* Specifications are subject to modifications

▶ ## ASSOCIATED WITH

OPTICAL FIBER

- Standard cladding
- Stainless steel cladding
- Armored fiber

CONTROLLER

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

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