

TRIMOS TR SCAN
Technology CCMP2
Chromatic Confocal Microscopy Point - 2



Technical specifications for CCMP2

A wide range of sensor are available with this version.
It also offers **significant numerical aperture**.



Chromatic confocal for distance & thickness



| OPTICAL PROBE | CL100 μm | CL300 μm | CL350 μm | CL400 μm | CL600 μm | CL1000 μm |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| Measuring Range | 100 μm | 300 μm | 350 μm | 400 μm | 600 μm | 1000 μm |
| Working distance ¹⁾ | 1.4 mm | 4.5 mm | 8.4 mm | 15.3 mm | 6.5 mm | 19.1 mm |
| Resolution | 3 nm | 10 nm | 12 nm | 14 nm | 20 nm | 35 nm |
| Max slope ²⁾ | +/-45° | +/-30° | +/-20° | +/-45° | +/-30° | +/- 45° |
| Lateral resolution | 1.8 μm | 2.5 μm | 2.5 μm | 2 μm | 2 μm | 1.8 μm |
| Numerical operture | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.26 |
| Spot size | 3.5 μm | 5 μm | 5 μm | 4 μm | 4 μm | 3.5 μm |



| OPTICAL PROBE | CL2 mm | CL3 mm | CL6 mm | CL10 mm | CL25 mm |
|--------------------------------|--------------------|------------------|------------------|------------------|------------------|
| Measuring Range | 2 mm | 3 mm | 6 mm | 10 mm | 25 mm |
| Working distance ¹⁾ | 61 mm | 22.5 mm | 35 mm | 70 mm | 76.5 mm |
| Resolution | 70 nm | 100 nm | 200 nm | 300 nm | 800 nm |
| Max slope ²⁾ | +/-15° | +/-30° | +/-25° | +/- 20° | +/- 15° |
| Lateral resolution | 6 μm | 6 μm | 8 μm | 12 μm | 12 μm |
| Numerical operture | 0.26 | 0.5 | 0.43 | 0.33 | 0.26 |
| Spot size | 12.5 μm | 12 μm | 16 μm | 24 μm | 25 μm |

1) Bottom of probe to middle of measuring range

2) Decreasing accuracy on the limits

At Refractive index $n = 1.5$

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