



CHROCODILE MPS 96

Quality control via optical inspection



DISTANCE

THICKNESS

TOPOGRAPHY

The CHROCODILE MPS optical multipoint sensor offers up to 96 simultaneous distance and thickness measurements. Thanks to its 96 independent channels, CHROCODILE MPS is designed to use different probes within the limits of 96 measured points. It is perfectly suited for challenging measuring tasks, such as the non-contact measurement of topography and thickness.

The extraordinarily high dynamic response and the outstanding signal-to-noise ratio of the CHROCODILE sensors ensure the best measuring results on surfaces with differing reflectivity and from different angles. The CHROCODILE MPS 96 measures at a rate up to 2000 points per second. This results in the shortest measuring times.

EFFICIENT

- ▶ Measurement of layer thickness and distance along a line
- ▶ Replaces up to 96 individual sensors

VERSATILE

- ▶ Any combination of point and line measuring probes
- ▶ 5 encoder inputs, trigger input, sync-output
- ▶ Wall thickness measurements of colored glass

USER-FRIENDLY & SAFE

- ▶ 19" wide housing/rack mountable
- ▶ Non-contact measurements
- ▶ Robust and maintenance-free



TECHNICAL SPECIFICATIONS OF CHROCODILE MPS 96

application	distance, thickness
measurements per second/channel ¹⁾	2000
linearity ²⁾	3.3×10^{-4} x upper measuring range limit
resolution	3×10^{-6} x upper measuring range limit
number of measuring channels	96
synchronization with external devices	trigger input, synchronizing output, 5 encoder inputs
interface	Ethernet, service ports: RS-422, USB
transfer rate	100 Mbit (Ethernet), 9600 - 921600 Baud (RS-422), USB: 921600 Baud (virtual comport)
light source	LED
fiber connection	LC duplex
length optical fiber	2 m - 40 m (multi mode fiber)
dimension (w x h x d)	19" x 3 RU x 306 mm
weight	app. 8 kg
supply voltage	24 V DC \pm 10 % with separate power supply unit 100 - 240 V AC
operating Temperature	+5°C up to +50°C
storage Temperature	-20°C up to +70°C
rated power	40 W
SDK	SDK available .NET Framework 4 and higher compatible
OS	Windows XP, Windows 7, Windows 8
order number	5010765

¹⁾ Measuring rate depends on the number of utilized channels, ²⁾ Perpendicular measurement on mirror at 20° C

The given data was generated for a typical application and may be different given other circumstances. Furthermore misprints, changes and/or innovations may lead to differences in the listed measurements, technical data and features. Therefore all information is non-binding and technical data, measurements as well as features are not guaranteed.

Precitec Optronik - the smart way to measure.