



## TECHNICAL SPECIFICATIONS OF CHROCODILE SE

application	distance, thickness
measurements / second	32 - 4000
interferometric measuring range <sup>1)</sup>	3 $\mu\text{m}$ - 180 $\mu\text{m}$
Chromatic measuring range	depends on used optical probe
pitch error <sup>2)</sup>	$< 10^{-3}$
linearity error <sup>2)</sup>	$< 3.3 \times 10^{-4} \times \text{max. measuring range}$
resolution	$10^{-7} \times \text{max. measuring range}$ (23 Bit)
reproducibility	$9 \times 10^{-5} \times \text{max. measuring range}$
Number of measuring channels	1
synchronization with external devices	trigger input, synchronizing output, 3 encoder inputs
interface	USB, RS-232, RS-422, 2 x analog (0-10 V, 16 Bit), LVDT <sup>3)</sup>
transfer rate	RS-232 (9600 - 921600 Baud); RS-422 (9600 - 921600 Baud); USB: virtual comport (921600 Baud)
light source	LED
length optical fibre <sup>4)</sup>	2 m - 40 m (multi mode fibre)
fibre connector	E 2000
operating temperature	+5°C up to +50°C
dimension (w x h x d)	200 mm x 100 mm x 93 mm
weight	1.1 kg
system voltage	16 - 30 V DC (with separate power supply 90 - 264 VAC)
rated power	10 W

<sup>1)</sup> optical length | <sup>2)</sup> measuring accuracy = linearity error + (pitch error x used measuring range) |

<sup>3)</sup> optional | <sup>4)</sup> metal cover up to 15 m also available

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 by information in this product information.

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