

# CWS Technical Specification 1x1

Laser diode	640 nm @ 0,1 – 10,0 mW
Power requirement	10 W
SW platform	MS Windows
Electrical	110 – 240 VAC
Instrument rms resolution	Sq 10 – 350 nm
Depth of field	1 mm
<b>Required positioning acc.</b>	<b>&lt; 0.2 mm</b>
<b>Measurement area</b>	<b>≥ 1x1 mm</b>
Measuring time	1 ms
Analysis time	≤ 0.2 sec
x, y resolution	2048x2048 pixels
x, y sensitivity	0.5 μm
<b>Working distance</b>	<b>16 mm</b>
Temperature range	-10 – +50°C
Weight sensor	< 2 kg
Dimensions sensor	300x100x50 mm
Control	Active X
Data output	Active X or to SQL database
Communication	-PC / back-end -Sensor / back-end
	GigE Ethernet, USB, max 1000 m Robot tube: 24 VDC, GigE E., optical fiber, max 100 m

