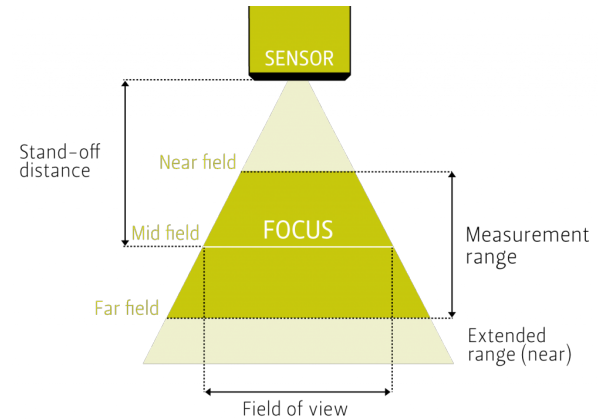


TO ALL SENSORS

ECCO X 025 DUAL-HEAD

Typical field of view (near mid far) ¹	22 25 28mm
Typical measurement range ¹	20 mm
Stand-off distance	64 mm
Typical vertical resolution (Z) ¹	0.9-1.4 µm
Typical lateral resolution (Y) ¹	5-7 µm
Z-linearity ^{2, 5}	0.005 %
Z-repeatability ^{4, 5}	0.2 µm
weight	Approx. 1500g
part number	3.002.210 (LC 2) 3.004.210 (LC 3R)

Maximum points / 3D profile	2 x 4096
Typical scan rate ¹	Up to 40 kHz
Typical 3D point rate ¹	Up to 2 x 163 million points/sec
Interface	2x Gigabit Ethernet (1 Gbit/ sec)
Inputs	2 x Inputs (5 – 24 VDC) Quadrature Encoder (AB-Channel, RS-422 standard)



Outputs	2 x Outputs, 24 VDC (max. 20 mA)
Trigger	START Trigger support on Input 1 DATA Trigger support on Quadrature Encoder Input (Max. DATA trigger rate: 1 MHz) DATA Trigger support on Input 2 (Max. DATA trigger rate: 5 kHz)
Input voltage Power	24 VDC, $\pm 15\%$ 20 W
Laser wavelength	450 nm (brilliant blue laser)
Laser class	2 3R
EMC test	as per EN 61000, EN IEC 61326-1, EN IEC 61326-2-2
Electrical safety	as per EN 61 010-1 IEC TR 60721-4-3:2003 (3M4)
Laser safety inputs	24 V DC +/- 15%
Vibration test	IEC 60068-2-6, 5-200Hz
Shock test	IEC TR 60721-4-3:2003 (3M4); IEC 60068-2-27
Enclosure rating	IP67
Air humidity	Maximum 90%, non-condensing
Temperature (operation storage)	0 – 40° C -20 – 70° C
Compatible accessories	Power-I/O-Encoder cable: 6.320.0XX Ethernet cable: 6.303.0XX in 5 m or 10 m