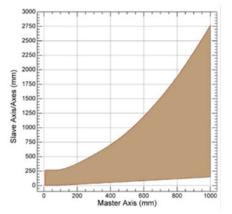
Displacement Measuring Interferometer



1010623

Technical Specifications

number of sensor axes working distance working distance working distance 05000 mm (depending on sensor head, up to 30 meter on request) sensor resolution [pm] 1 max. target velocity [m/s] 2 measurement bandwidth 10 MHz signal stability (WD: 77 mm) 0.110 mm (2 s) Modes of Operation measurement mode remote operation utput signal: displacement measurement laser light (IR) output signal: displacement measurement user light (IR) output signal: alignment laser sensor alignment sensor initialization via integrated webserver sensor initialization via integrated webserver sensor initialization sensor heads depending specifications controller sensor heads depending specifications controller ambient conditions ECU ambient conditions linterfaces analog interfaces analog interfaces analog interfaces sin/cos (real time), linear analog (real time, optional) digital interfaces analog interface bandwidth [MHz] up to 25 interface bandwidth [idd bus systems depending on field bus system resolution sin/cos (inc.) freely assignable; 1 pm - 2*24 pm resolution field bus systems chassis 55 x 52 x 195 mm³ weight ray og power consumption [W] 8 laser source (measurement laser) laser output power (measurement laser) [µW] laser output power (measurement laser) [µW] laser source (inginament laser) mm laser output power (gingmment laser) mm laser output power (alignment laser) mm laser source (inginament laser) mm laser	Sensor	
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Software Drivers		
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and C#-DLLs	web browser	no software drivers necessary as allfunctionality is accessible via Ethernet and C#-DLLs



The working distances are limited on the dependency of the used axis. Depending on the master axis' working distance (defined via integrated webserver or DLL function), the working distances of the remaining axes are restricted to the range showing on the figure (see left).







- GPIO (General Purpose Input/Output)
- 2 Main Power
- 3 Ethernet
- 4 Real-Time Interfaces
- 5 ECU
- 6 CanOPEN