

# ZENITH

NEW  
2022

# MARPOSS STIL

## Chromatic Confocal Controller



### THE NEW REFERENCE FOR NON-CONTACT DISTANCE MEASUREMENT



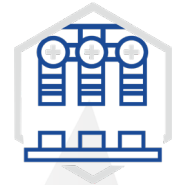
ZENITH controller is the new reference of chromatic confocal controller adapted to industrial environment. Based on standard Ethernet Communication, ZENITH allows measurements of great precision without touching and damaging the part.

The robust, easy-to-implement and easy-to-use technology is designed to operate 24 hours a day, 7 days a week.

- Enhanced performances via higher dynamic (15 bits)
- Industrial solution with Ethernet connection (GigE)
- Up to 5 encoders input, perfect for CMMs
- Synchronization: Master&Slave mode for multi-sensor measurements, Encoder trigger feature
- Configuration via Software or embedded Web Server



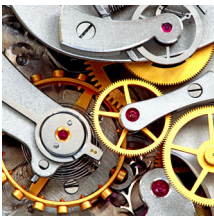
All materials



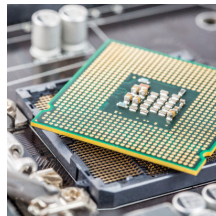
All industries

### DESIGNED FOR

Mechanics



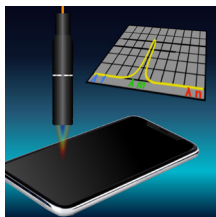
Semiconductors



Glass



Metrology



### PERFECT FOR

Distance



Roughness



Thickness



Dimension



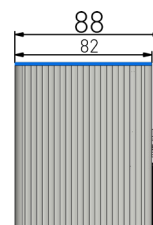
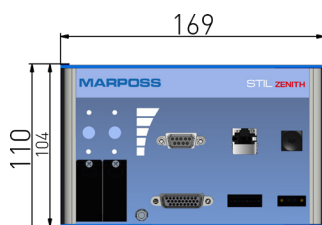
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### DIMENSIONAL DRAWING\*



Nota: All dimensions are in mm

### SPECIFICATIONS\*

<b>Product</b>	ZENITH
<b>Order code</b>	08ST17M1003
<b>Technology</b>	Chromatic Confocal
<b>Source</b>	White LED
<b>Number of channels</b>	1
<b>Measuring Frequency</b>	400 Hz - 5000 Hz
<b>Calibration table memory</b>	Up to 20 calibration tables
<b>Distance Measurement</b>	First/Second/Third/Fourth/Last/Strongest peak
<b>Thickness Measurement</b>	2 Peaks
<b>Advanced features</b>	Web configurator/ Network Discovery App/ SetExposureTime/ EncoderTrigger/ Master&Slave mode...
<b>Digital Output</b>	Ethernet (GigE) and RS422
<b>Synchronization</b>	Trigger in (5-24Vdc) & Trigger out (5V TTL)
<b>Other Input/Output</b>	Up to 5 encoder inputs (differential TTL)
<b>Fiber connection</b>	E2000/APC
<b>Temperature in use</b>	5°C to 50°C
<b>Storage temperature</b>	-20°C to 70°C
<b>Relative humidity</b>	5% - 80% HR without condensation
<b>Protective type</b>	IP 40
<b>Compliance</b>	Electromagnetic compatibility (EN 61326-1) - Cold operation at +5°C (CEI EN 60068-2-1 A) - Stationary hot humid operation at +45°C and 93% RH (CEI EN 60068-2-78) - Cold storage at -20°C (CEI EN 60068-2-1 A) - Dry hot storage at +65°C (CEI EN 60068-2-2 B) 5G Sinusoidal vibrations (CEI EN 60068-2-6 FC) - Degree of tightness IP40 (CEI EN 60529)
<b>Power Supply</b>	24 Vdc
<b>Maximum/Usual Consumption</b>	25 W / 10 W
<b>Dimensions</b>	169 mm x 110 mm x 88 mm
<b>Weight</b>	1 kg

\*Specifications are subject to modifications

### ASSOCIATED WITH

#### OPTICAL FIBER

- Standard cladding
- Stainless steel cladding
- Armored fiber



#### SENSOR HEAD



- CL-MG SERIES
- OP SERIES
- ENDO SERIES
- EVEREST SERIES

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