

Long range distance sensors PRODUCT FAMILY OVERVIEW



Dx100

Leading in versatility and flexibility



Dx500

Precision distance measurement for natural objects
– up to 70 m on white, 30 m on black

Technical data overview

Measuring range	0.15 m ... 300 m, on reflective tape "Diamond Grade"	0.2 m ... 70 m, 90 % remission 0.2 m ... 30 m, 6 % remission
Repeatability	0.5 mm ... 2 mm	1 mm
Accuracy	± 2 mm ... ± 3 mm	± 3 mm
Data interface	SSI RS-422 PROFINET PROFIBUS DP CANopen EtherNet/IP	Q _A RS-422 CAN (Layer 2)
Ambient temperature	Operation: -20 °C ... +55 °C Operation with cooling case: -20 °C ... +75 °C Operation with heating: -40 °C ... +55 °C Storage: -40 °C ... +75 °C	Operation: -10 °C ... +45 °C Operation with cooling case: -40 °C ... +75 °C Operation with heating: -40 °C ... +45 °C Storage: -25 °C ... +75 °C
Output time	Synchronous to PLC request (dependent on interfaces)	150 ms ... 6,000 ms
Light source	Laser, red	Laser, red

At a glance

- 3-axis alignment bracket with quick lock system
- SpeedCon™ and standard M12 electrical connections
- Small and rugged metal housing
- Display with intuitive menu and easy-to-see status LEDs
- Pre-failure and diagnostic data available
- Numerous fieldbus and Ethernet interfaces
- Elongated holes for precise adjustment of sensor offset (or "home position")
- Versatile accessories



Detailed information

→ www.mysick.com/en/Dx100

- Measurement range of up to 70 m on white targets and 30 m on black targets
- Very high accuracy and repeatability
- Red laser, Class 2
- Heated versions for cold store applications
- Tough, metal housing
- Serial interfaces as well as analog and digital outputs available
- Display for easy sensor setup



→ www.mysick.com/en/Dx500