



Dx50

Measuring distances – reliable, precise and versatile



Dx50-2

The new era in distance measurement

200 mm ... 20,000 mm, 90 % remission
200 mm ... 8,500 mm, 18 % remission
200 mm ... 5,000 mm, 6 % remission
200 mm ... 50,000 mm, on reflective tape "Diamond Grade"

0.25 mm ... 5 mm

± 3 mm / ± 7 mm / ± 10 mm

10 ms ... 160 ms

RS-422
SSI

1 x 4 mA ... 20 mA / 1 x 0 V ... 10 V

1 x PNP
1 x NPN
2 x PNP
2 x NPN

Operation -30 °C ... +65 °C

Storage -40 °C ... +75 °C

Laser, red

2 (EN 60825-1) / 1 (EN 60825-1)

200 mm ... 30,000 mm, 90 % remission
200 mm ... 17,000 mm, 18 % remission
200 mm ... 10,000 mm, 6 % remission

0.5 mm ... 5 mm

± 7 mm

0.83 ms ... 150 ms

IO-Link

1 x 4 mA ... 20 mA / 1 x 0 V ... 10 V / -

1 x / 2 x complementary / 2 x push-pull: PNP/NPN

Operation -40 °C ... +65 °C

Storage -40 °C ... +75 °C

Laser, red

2 (EN 60825-1)

- HDDM™ technology offers best reliability, immunity to ambient light and price/performance ratio
- Measurement ranges of 10 m or 20 m directly onto the object or even 50 m on reflector
- Different performance levels depending on product and laser class chosen
- Different interfaces: switching, analog or serial interface
- Display with intuitive and consistent operating concept
- Robust die-cast zinc metal housing
- Operating temperature from -30 °C to +65 °C



→ www.mysick.com/en/Dx50

- Measuring range up to 10 m on black targets and up to 30 m on white targets within a compact housing
- Output rate up to 3,000/s
- Reliable, patented HDDM™ time-of-flight technology
- Withstands extreme temperatures from -40 °C to +65 °C thanks to rugged metal housing
- Shape comparison integrated in sensor
- IO-Link, analog and switching output
- Display with intuitive menu structure and easy teach option or WiFi for configuration with the SOPASair app
- Enclosure rating IP 65 and IP 67



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