# DME4000-119

Industrial automation components

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|---|---|
| **Manufacturer** | Sick |
| **Catalog number** | dme4000-119 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

| | |
|---|---|
| **Measuring Range** | 0.15 m to 50 m |
| **Resolution** | 0.05 mm to 5 mm |
| **Repeatability** | ≤1 mm |
| **Accuracy** | ±3 mm |
| **Response Time** | 6 ms |
| **Output Time** | 4 ms |
| **Housing Material** | Metal (Zinc, die-cast) |
| **Protection Class** | IP65 |
| **Communication Interface** | CANopen |
| **Operating Temperature Range** | –10 °C to +55 °C |

## Description

The SICK DME4000-119 is a high-precision long-range laser distance sensor designed for industrial automation applications. With a measuring range from 0.15 m to 50 m on "Diamond Grade" reflective tape, it offers exceptional accuracy and repeatability. The sensor features a visible red laser light source and operates within a temperature range of –10 °C to +55 °C, ensuring reliable performance in various industrial environments. Its robust metal housing and IP65 protection class make it suitable for demanding conditions. The DME4000-119 utilizes the CANopen communication interface, providing seamless integration into automation systems. Key specifications include a resolution of 0.05 mm to 5 mm, repeatability of ≤1 mm, and an accuracy of ±3 mm. The sensor's response time is 6 ms, with an output time of 4 ms, facilitating rapid measurements. Designed for applications requiring precise

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distance measurements over long ranges, the DME4000-119 is ideal for tasks such as position monitoring, material handling, and process control in industrial settings.

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