



JEF5xx

3D measurement with laser – precise and reliable

SICK
Sensor Intelligence.



Technical data overview

Application	Indoor
Aperture angle	Horizontal ≤ 45°
Angular resolution	1°
Working range	0.4 m ... 2 m
Scanning range	At 10% remission factor 1.2 m
Scanning frequency	600 Hz ... 800 Hz
Ambient operating temperature	0 °C ... +40 °C
Ethernet	✓
Serial	✓
Digital inputs	2
Digital outputs	2
Weight	+ 250 g / + 320 g (depending on type)

Product description

JEF5xx is a 2D or 3D laser measurement sensor used for measuring objects and surfaces. With its large working range and opening angle, a pallet can be easily measured with only one sensor. The laser measurement sensor provides data even in difficult ambient light environments. The reliable laser detection makes additional illumination unnecessary.

At a glance

- 2D and 3D laser measurement sensor
- Multiple I/O and interfacing
- Large working range without any additional focal adjustments
- Output of reflectivity data

Your benefits

- Easy 3D detection with just one sensor
- Wide detection range with just one sensor
- No additional illumination required

Fields of application

- 3D laser scanner for the detection of surfaces and objects

Ordering information

Other models and accessories → www.sick.com/JEF5xx

- **Scanning frequency:** 600 Hz ... 800 Hz
- **Application:** Indoor
- **Aperture angle:** horizontal (≤ 45°)
- **Enclosure rating:** IP65

Weight	Type	Part no.
+ 250 g	JEF500-00000	1056365
+ 320 g	JEF500-60000	1056366

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com