



**RLV325VR
Wafer Paddle Mapping Sensor**

This sensor was originally designed for mapping wafers in a cassette (boat). The idea was to offer an accurate and reliable solution, independent of the size and the surface properties of different silicone wafers.

The RLV325VR is powerful enough to detect the diffuse reflective signal of a wafer edge. At the same time, it is lightweight and extremely small in volume. Due to its flat housing and its extremely flexible connection cable, this sensor can be mounted on robot end effectors.

This sensor combines a minute light spot for accurate edge detection at a nominal distance of approx. 6 to 20mm.

For correct operation, a separate amplifier is required.



Technical Sensor Data

Light Type	visible red 660 nm
Connection Type	2x 1m PUR cable with M8 plug
Temperature Range	-10 to 55°C
Protection Class	IP65
Spot Ø	approx. 1 mm (in 10mm)

Technical Data*

RLV325V R	Sensing Distance**	approx. 10 mm
	Housing Material	Aluminum
	Housing Dimensions	25 x 20 x 3mm