

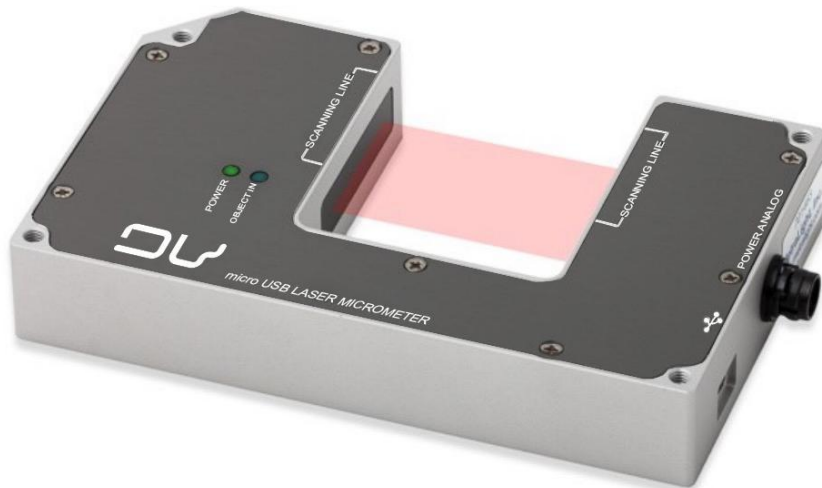
DataVision

DVMU

U-shape micrometer

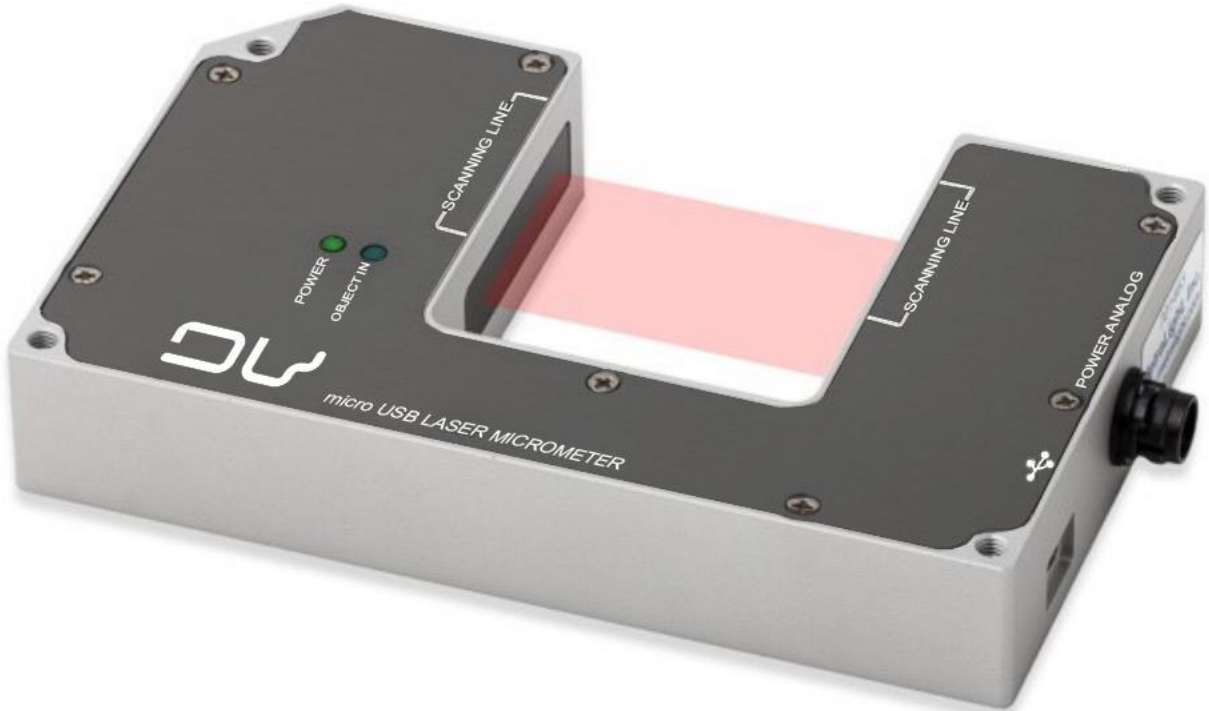


U-shape micrometer, for use in a wide range of applications



DVMU

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DESCRIPTION

The microU Laser Micrometer is a precise sensor for use in various industries. With an sub-micron resolution of 0.4375 μm , coupled with a fast measurement rate of over 2500 measurements/second, the microU is above the competition. In addition, there are no moving mechanical parts in this laser micrometer to adjust or recalibrate (solid-state electronics only).

Measurement of various types of materials in a wide range of industries (metal ,plastic, glass, ceramics, wood and others) Measurement of Edge, Gap, Diameter, Position, Thickness, Height, Profile, and Vibration of objects. Diameter measurement of tube/pipe (in process or sampling)

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HIGHLIGHTS

- Simple and Reliable non contact measurement sensor 0-28mm
- Different measuring Variants possible
- No external controller needed
- Several Measurement functions implemented (EDGE,Gap,Diameter,Position,Thickness,Height,Profile and vibration of objects
- Compact Aluminium housing additional OLED display possible
- Customisation possibilities



FEATURES

- Compact Size, No Separate External Controllers
- High Accuracy
- USB, RS232 and Analog Output (Ethernet on request)
- Laser diode 670nm Class I
- Optional OLED Display
- Robust Construction: Aluminum Body with Locking Connectors

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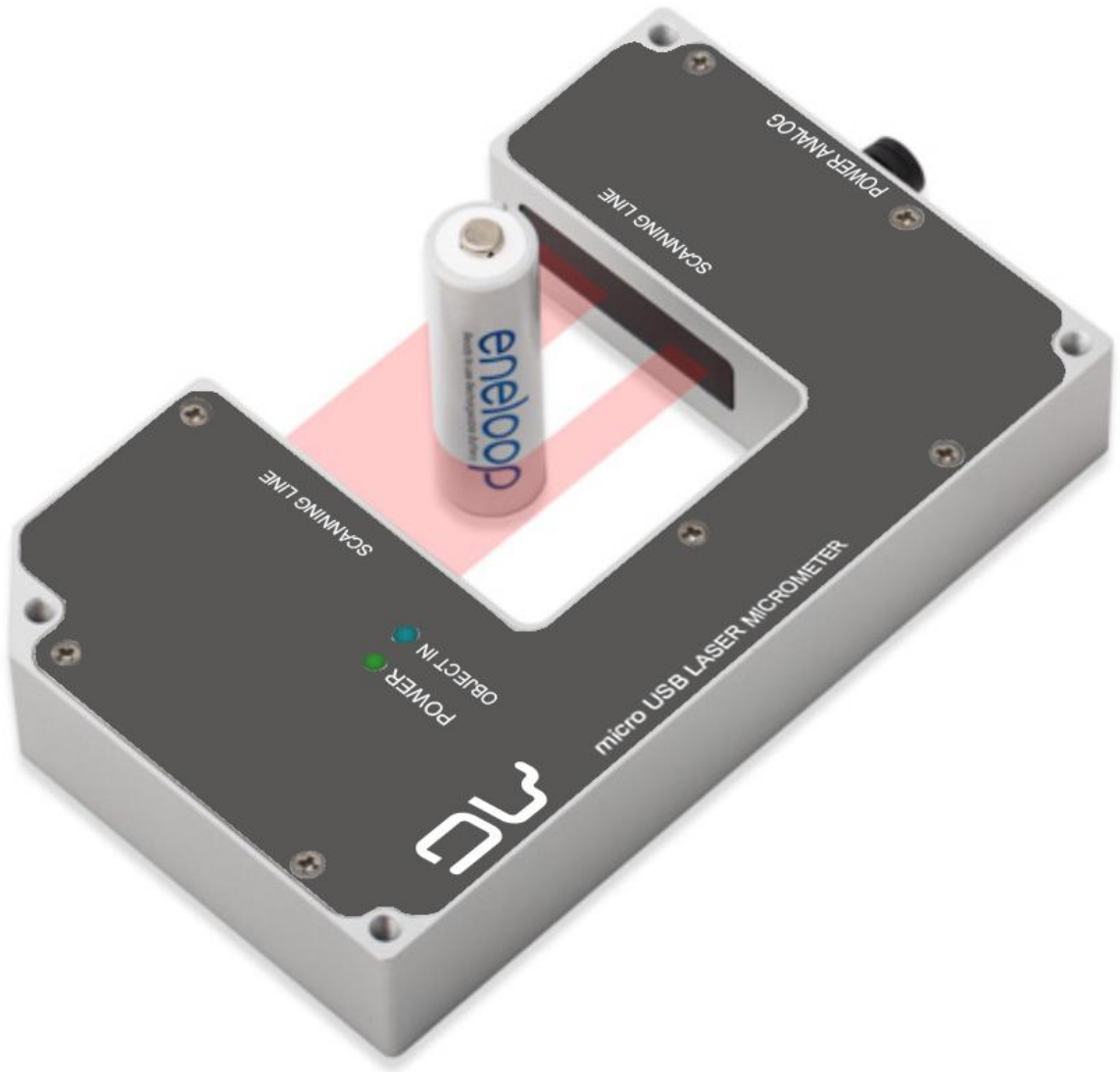


TECHNICAL SPECIFICATION

Measurement Range	1.10" (28 mm)
Resolution	0.4375 μ m
Repeatability	3 μ m (Edge Position, Calibrated Distance)
Response Time	0.391 ms
Non-Linearity	<10 μ m (Edge position, calibrated distance)
Measuring Modes	Edge1, Edge2, Diameter, Gap, Center, Solid
Connection/Interface	Serial, Parallel, USB, Ethernet, Analog or Custom
Display (optional)	OLED, 128 x 64
Overall Dimension	5.15" x 3.125" x 0.85" (130.8 x 79.4 x 21.6 mm)
Weight	16 oz (472 g)

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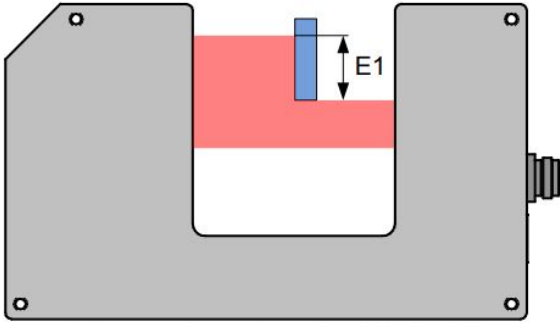


Figure: **EDGE1 MODE, LEADING EDGE**

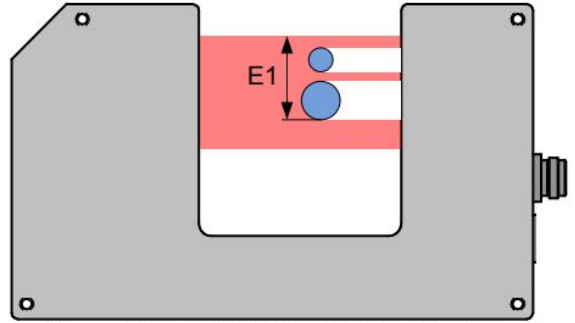


Figure: **EDGE1 MODE, MULTIPLE OBJECTS**

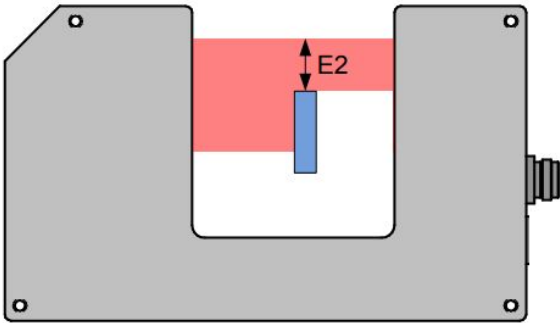


Figure: **EDGE2 MODE, TRAILING EDGE**

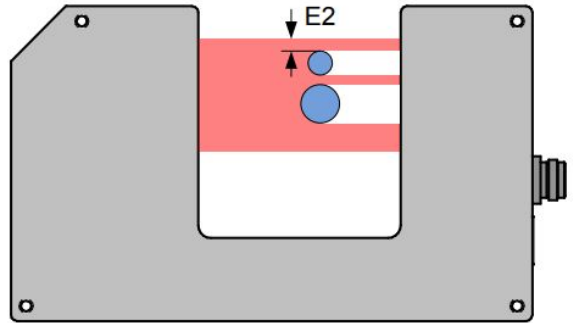


Figure: **EDGE2 MODE, MULTIPLE OBJECTS**

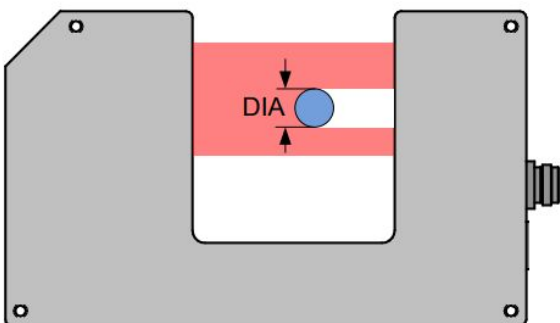


Figure: **DIA MODE**

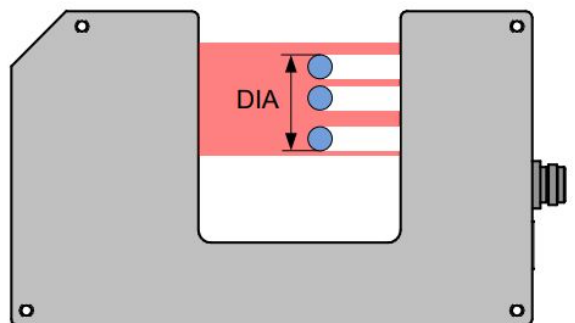


Figure: **DIA MODE, MULTIPLE OBJECTS**

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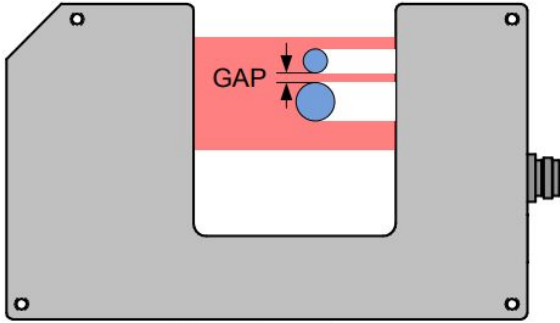


Figure: **GAP MODE**

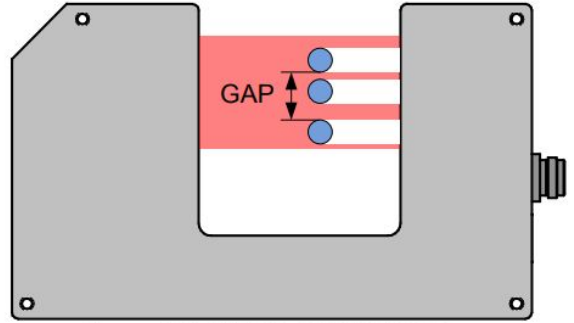


Figure: **GAP MODE, MULTIPLE OB-**

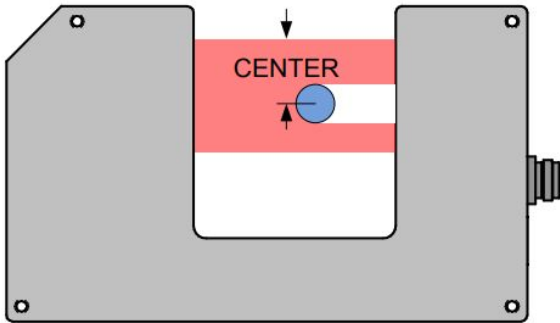


Figure: **CENTER MODE**

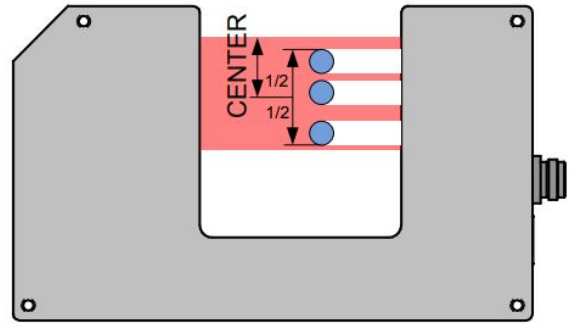


Figure: **CENTER MODE MULTIPLE OBJECTS**

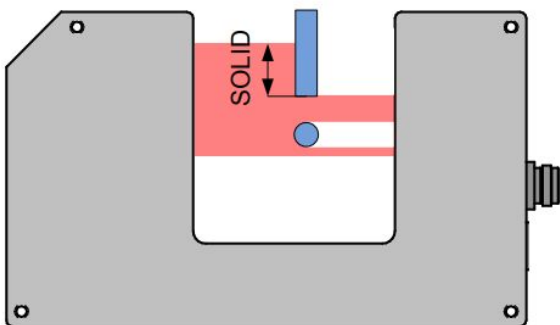


Figure: **SOLID MODE, MULTIPLE OBJECTS**

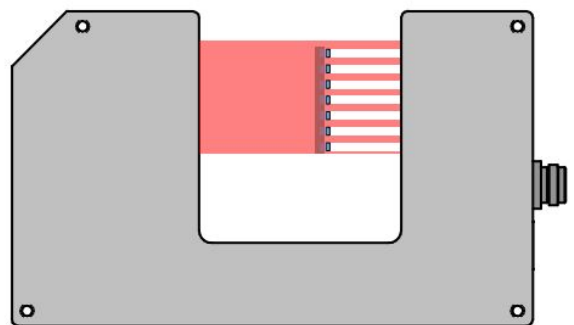


Figure: **CUSTOM MODE**, For Example IC LEADS
Dimension measurement OR Detects BENT Leads
or Missing Leads.

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