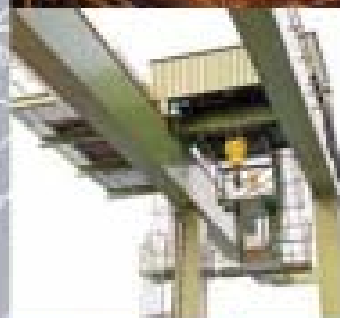


LMC-I-LDR

Highest linear dynamic
accurate radar sensors
available



Experts for contactless
measuring technologies

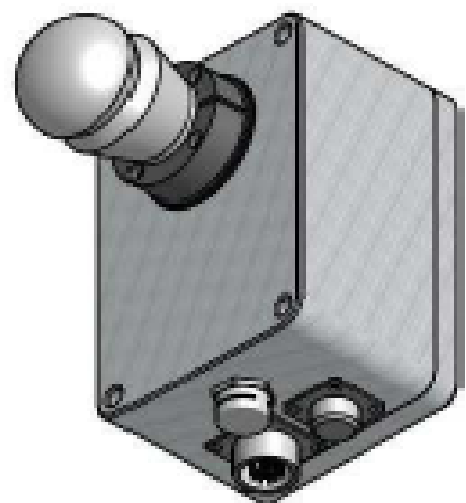
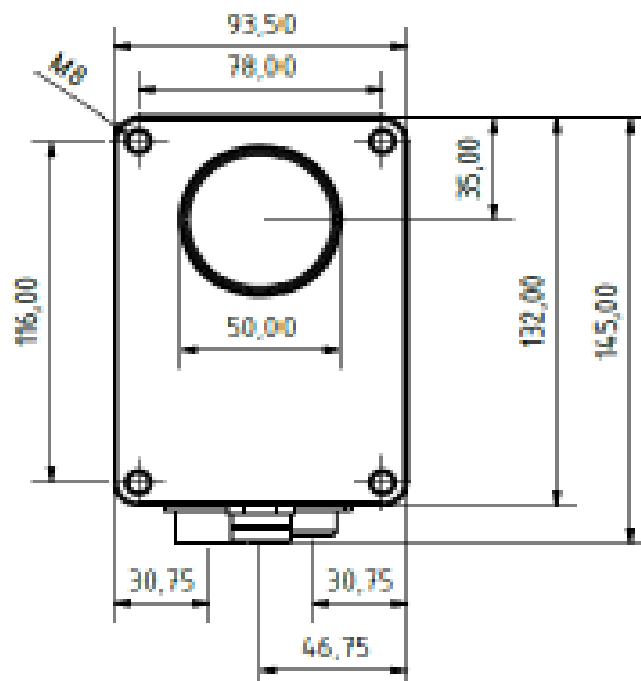


LMC-I-LDR (1D - Linear Dynamic Radar)

- For Radartechnology Unique Accuracy
 - Typical < 0.5 mm
- For Radartechnology Unique Measurement Rate
 - Raw 400 Hz
- Robust and compact Design
 - Teflon Lenses
 - Aluminum Housing
 - L x W (130 x 94) mm

- High Bandwith operation possible
 - 77 GHz
- Features
 - Within of the Radar Beam selective target detection possible

Specification	Value
Mounting	4 x M8
Accuracy	< 0,5mm
Measuring range	Up to 300m (depending on Antenna)
Interface	CAN, Ethernet TCP/IP Optional: RS 485, 4 ...20 mA
Socket connector	Souriau
Power supply	15 ... 30V
Energy consumption	500 mA (should be limited externally at 1.5A)
Operating temperature	- 20°C + 60°C
Compliance	ETSI EN 302264 ROHS: 2002/95/EG R&TTE: 1999/5 EC (78-79.3 GHz)

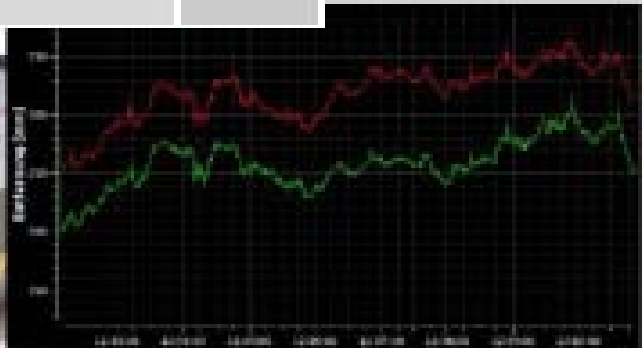


Lens/Antenna Types

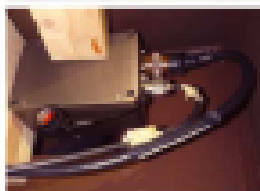
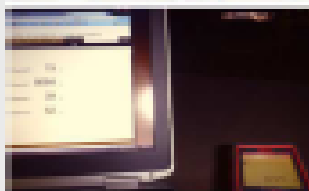
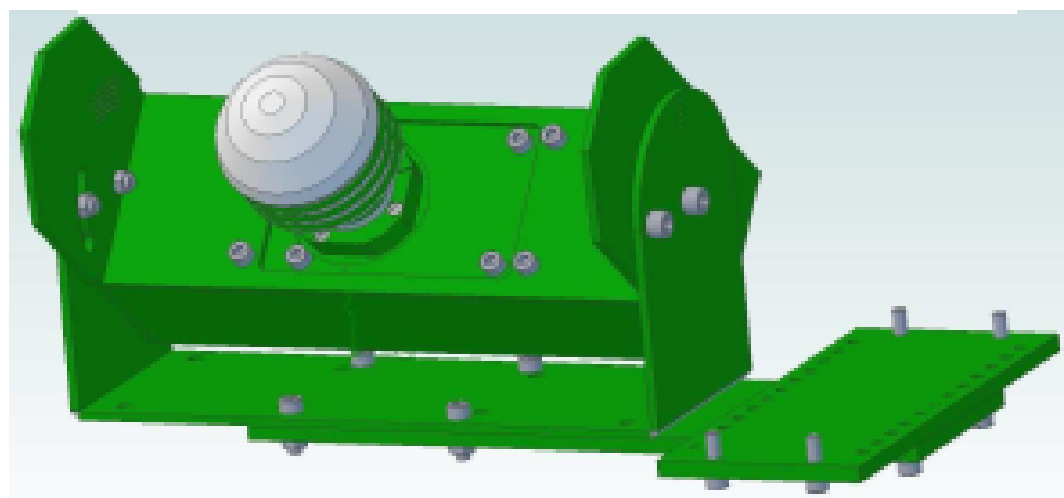
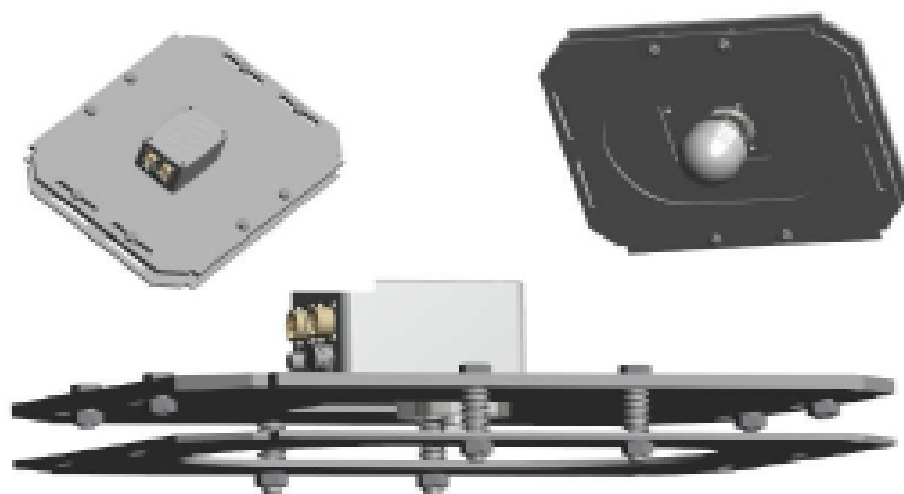
- Different Focus of HF Energy available
- Higher Diameter → More Receiving Power



Type	- 3 dB
DN 50	$\pm 3^\circ$
DN 80	$\pm 1.5^\circ$
DN 100	$\pm 0.8^\circ$



Adapter / Adjusting Plates LMC-I-LDR



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