

# Plasmo profileobserver

2D/3D quality analysis (post-process)



## Features

- **Complete solution:** Sensor, software, data storage, offline tools
- **Highest scan rate:** Up to 30kHz at full chip width
- **Applications:** Welding, brazing, adhesive bead inspection
- **100% Traceability**
- **Smallest defects visible** even at high speeds
- **Flexible even in operation:** Reading and evaluation of speed signals for precise spatial resolution in all situations
- **Precise evaluation** with various customer-specific adapted algorithms
- **Triangulation & gray value evaluation** simultaneously possible (2D/3D evaluation in parallel)

## Plasmo profileobserver | Product specifications

profileobserver compact			
	115/81	167/30 + 167/91	309/94
Sensor	CMOS 1536 x 512px	CMOS 1536 x 512px	CMOS 1536 x 512px
Field of view (others on request)	11 x 5mm	16 x 14mm	28 x 20mm
Resolution W x H x Scan direction	7 x 10 x 25µm	10 x 14 x 25µm	18 x 20 x 25µm
Measuring distance	81mm	30mm and 91mm	94mm
Scanning frequency	Typ. 4kHz; max. 5kHz at full resolution or 30kHz at full chip width		
Interfaces	DeviceNet, EthernetIP, CanBus, Profibus, Profinet, TwinCAT ADS		
Air humidity – Operating temperature	Max. 93% at 40°C – 10°C up to 50°C		
Power supply – Dimensions – Weight	12 – 24V – 60 x 66 x 240mm (380 mm with LWL converter) – 2.0kg		
Vibration – Shock test – Degree of protection	2g/20Hz-500Hz (IEC 68-2-6) – 5g/6ms (IEC 68-2-29) – IP 53 (optional IP 64)		

# PRODUCE QUALITY. ALWAYS.

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