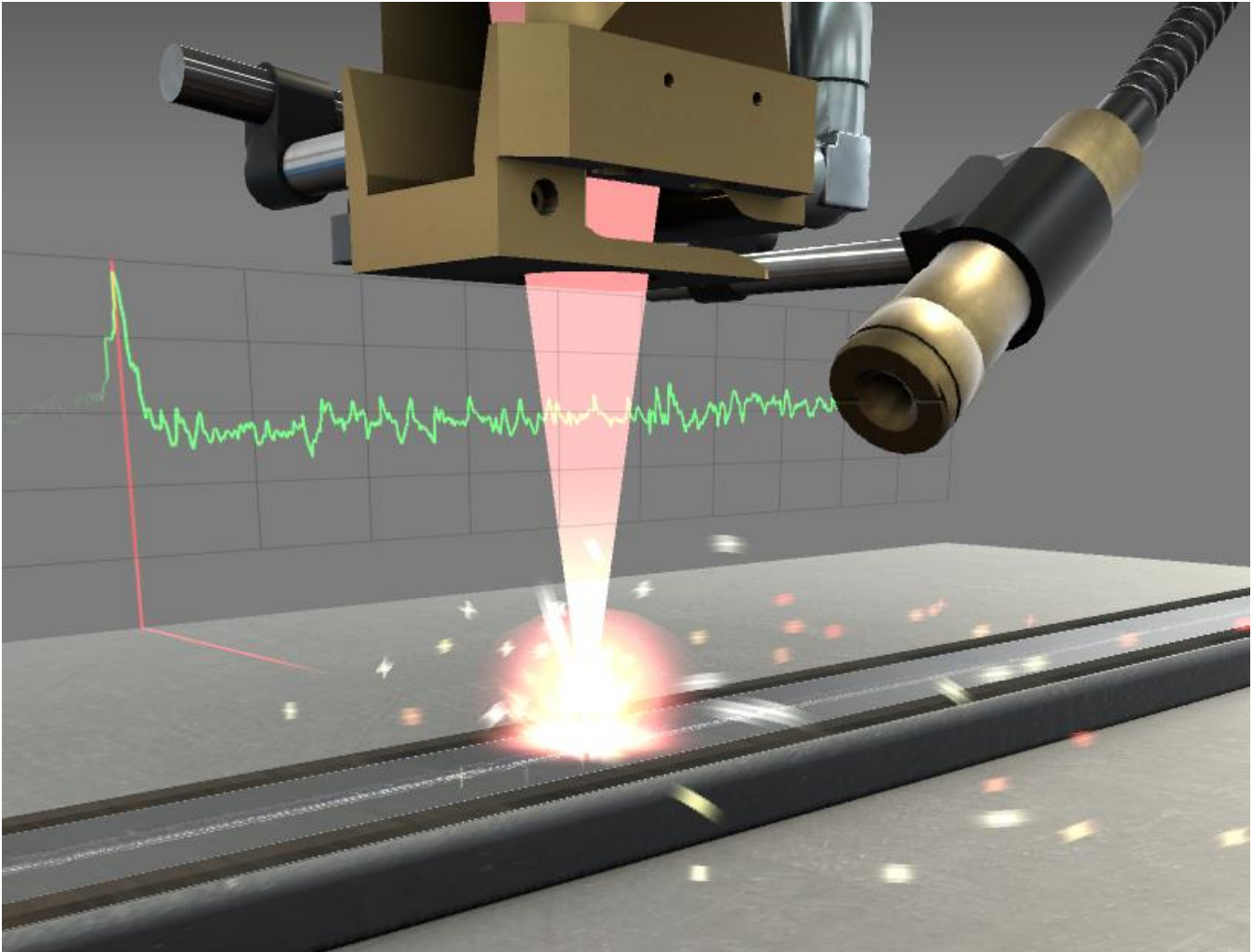


Plasmo processobserver

Monitoring of welding processes in real time



Features

- **Basis for optimized manufacturing processes:** Detection & documentation of welding defects & process irregularities
- **Complete solution:** Sensor, data storage, software, offlinetools & reporting, statistics, trend analyses
- **Flexible integration:** On-axis, off-axis
- **100% traceability**
- **Compact design** of the sensor
- **High inspection speed:** Sampling rate up to 250 kHz
- **Scalability:** From one sensor to sensor network
- **Flexible optical integration:** Laser, camera adapter, prisma & external integration; also parallel if required

Plasmo processobserver | Product specifications

processobserver 6.0/fastprocessobserver		
	Technical Data	
Spectrum (nm)	400 – 1100	
Optical inputs	1-4	
Digital I/O (24 V)	2E/2A (pso 6.0)	up to 8 E/A (fpso)
Sampling rate	250 kHz	
System interfaces	Digital I/O, DeviceNet, Ethernet IP, Profibus, Profinet, TwinCAT, etc.	
Database connection	Yes	
Rework visualization	Yes	
Statistical data analysis	Yes	
Air humidity – Operating temperature	Max. 93% at 40°C up to 50°C	
Supply – Dimensions - Weight	24 V – 50 x 50 x 150 mm – 450 g per sensor (pso 6.0)	24 V – 80 x 160 x 160mm – 1240 g per sensor (fpso)
Industry 4.0 ready	Yes	
processobserver advanced		
	Technical Data	
Spectrum (nm)	400 - 1800	
Optical inputs	2	
Data acquisition	analogue	
Data rate for calculation of characteristics and OK/NOK	Type: 2kHz	
Prepared for adjustment control (hard real-time)	Yes	
16bit 24V digital SPS E/As	optional	
System interfaces	Digital I/O, DeviceNet, Ethernet IP, Profibus, Profinet, TwinCAT, etc.	
Database connection	Yes	
Rework visualization	Yes	
Statistical data analysis	Yes	
Industry 4.0 ready	Yes	

PRODUCE QUALITY. ALWAYS.

nLIGHT continually improves its products to provide customers outstanding quality and reliability. The information contained herein is subject to change without notice. nLIGHT GmbH shall not be liable for technical or editorial errors or omissions contained herein. Warranties are set forth in express warranty statements accompanying products. Nothing herein should be construed as constituting an additional warranty. For details, please contact your nLIGHT sales representative.

plasmosales@nlight.net | www.plasmo.eu

© Copyright 2022 nLIGHT GmbH.

