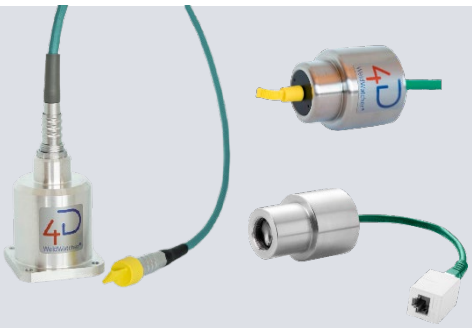
COMPONENTS

WELD**WATCHER**® IPC



Sensor Variants

Sensor Connection Cables

HARDWARE

Measurement System	4D 19" IPC 4 HE with metal housing
Power supply	115 – 235 VAC multi-range
Technical performance	e.g. core i5, min. 8 GB RAM, min. 1 TB HDD
Weight	23 kg
Dimensions	WHD 480/180/500 mm

SENSOR EQUIPMENT

Sensor	4D coaxial programmable sensor, photoelectric detectors (different wavelength ranges, filters), auto-calibration mode, temperature control, metal housing, diameter: 36 mm / 48 mm, height: 68 mm, RJ 45 with metal connector
Sensor connection	Single connection cable up to 50 m length, min. Cat 5e, current loop 4 – 20 mA RJ 45, programming via cable
Sensor signal transfer and programming	4D sensor card with signal transfer, internal programming bus, filtering
Sampling rate	0.5 – 20.0 kHz
Signal recording	Internal and external trigger, measurement by time
Analog-digital conversion	AD converter
Bus communication hardware	Internal bus system, e.g. PROFIBUS®, PROFINET®, DeviceNet™, EtherNet/IP™, EtherCAT® or digital IOs, CC-Link (others on request)
Channel	1 channel (standard), 4 channels (max.)

SOFTWARE

Operating system	Windows® 10 Pro
Evaluating software	4D WELD**WATCHER**® 6 special evaluation algorithms, fault classification mode, sections, auto special evaluation algorithms, fault classification mode, sections, auto reference functions, trend display and threshold value, welding group draft with result information, fault history, multi tasking mode
Data storage	PG database with FIFO storage, capacity e.g. 25 GB, signal classification and searching by time, work piece (part) type, code number, seam number
Protection	User administration protected with passwords in several levels, fault log

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