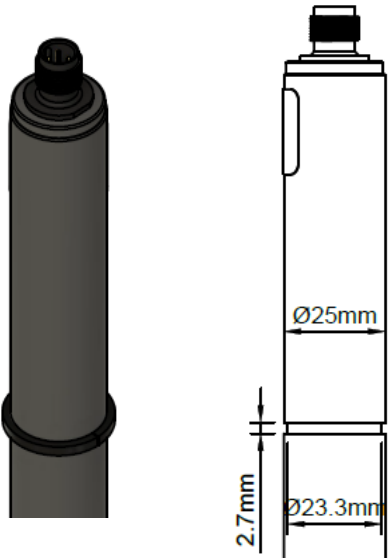

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	TARAtec WP10.1
maintenance	Regularly control of the measuring signal, min. once a week The following specifications highly depend on the water quality: Change of the membrane cap: once a year Change of the electrolyte: every 3 - 6 months
	EMC tested RoHS compliant

Option 1: Retaining ring	– When operating with pressures >0.5 bar in TARAflow FLC – Dimensions retaining ring 29 x 23.4 x 2.5 mm, slitted, PETP – Different positions for groove selectable (on request)	
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Technical Data

1. WP10.1 (Analog output, analog internal signal processing)

	Measuring range	Resolution	Output Output resistance	Nominal slope	Voltage supply	Galvanic isolation required in the measuring device/controller *	Connection
WP10.1H-M12	0.5...200 ppm	0.1 ppm	0...-2000 mV 1 kΩ	-10 mV/ppm	±5 - ±15 VDC 10 mA	yes	5-pole M12 plug-on flange
WP10.1N-M12	5...2000 ppm	1 ppm		-1 mV/ppm			Function of wires: PIN1: measuring signal PIN2: +U PIN3: -U PIN4: signal GND PIN5: n. c.
WP10.1L-M12	0.005...2 % (20000 ppm)	0.001 % (10 ppm)		-1000mV/% (-0.1 mV/ppm)			
WP10.1-20%-M12	0.05... 20% (200000 ppm)	0.01 % (100 ppm)		-100 mV/% (-0.01 mV/ppm)			
WP10.1HUp-M12	0,5...200 ppm	0,1 ppm	0...+2000 mV 1 kΩ	+10 mV/ppm	10 – 30 VDC 10 mA		5-pole M12 plug-on flange
WP10.1Up-M12	5...2000 ppm	1 ppm		+1 mV/ppm			Function of wires: PIN1: measuring signal PIN2: +U PIN3: power GND PIN4: signal GND PIN5: n. c.
WP10.1LUp-M12	0,005...2 % (20000 ppm)	0,001 % (10 ppm)		+1000 mV/% (+0,1 mV/ppm)			

* for further information see brochure 'Technical information // galvanic isolation' (in the download area of our website www.reiss-gmbh.com)

(Subject to technical changes!)

2. WP10.1 (analog output, digital signal processing)

analog-out / digital

	Measuring range	Resolution	Output Output resistance	Nominal slope	Power supply	Galvanic isolation required in the measuring device/controller *	Connection
WP10.1H-An-M12	0.5... 200.0 ppm	0.1 ppm	analog 0...-2 V (max. -2.5 V) 1 kΩ	-10 mV/ppm	9-30 VDC approx. 7-30 mA	no	5-pole M12 plug-on flange Function of wires: PIN1: measuring signal PIN2: +U PIN3: power GND PIN4: signal GND PIN5: n. c.
WP10.1N-An-M12	.50... 2000 ppm	1 ppm		-1 mV/ppm			
WP10.1L-An-M12	0.005... 2 % (20000 ppm)	0.001 % (10 ppm)		-1000 mV/% (-0.1 mV/ppm)			
WP10.1-20%-An-M12	0.05... 20 % (200000 ppm)	0.01 % (100 ppm)		-100 mV/% (-0.01 mV/ppm)			
WP10.1H-Ap-M12	0.5... 200.0 ppm	0.1 ppm	analog 0...+2 V (max. +2.5 V) 1 kΩ	+10 mV/ppm			
WP10.1N-Ap-M12	5... 2000 ppm	1 ppm		+1 mV/ppm			
WP10.1L-Ap-M12	0.005... 2 % (20000 ppm)	0.001 % (10 ppm)		+1000 mV/% (+0.1 mV/ppm)			
WP10.1-20%-Ap-M12	0.05... 20 % (200000 ppm)	0.01 % (100 ppm)		+100 mV/% (+0.01 mV/ppm)			

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(Subject to technical changes!)

3. WP10.1 (digital output, digital signal processing)

	Measuring range	Resolution	Output Output resistance	Power supply	Galvanic isolation required in the measuring device/controller *	Connection
WP10.1H-M0c	0.5... 200.0 ppm	0.1 ppm	Modbus RTU There are no terminating resistors in the sensor.	9-30 VDC approx. 7-30 mA	no	5-pole M12 plug-on flange
WP10.1N-M0c	5... 2000 ppm	1 ppm				Function of wires: PIN1: reserved PIN2: +U PIN3: power GND PIN4: RS485B PIN5: RS485A
WP10.1L-M0c	0.005... 2 % (20000 ppm)	0.001 % (10 ppm)				
WP10.1-20%-M0c	0.05... 20 % (200000 ppm)	0.01 % (100 ppm)				

* for further information see brochure 'Technical information // galvanic isolation' (in the download area of our website www.reiss-gmbh.com)

(Subject to technical changes!)

4. WP10.1 4-20 mA (analog output, analog internal signal processing)

4.1 Electrical connection: 2 pole terminal clamp

	Measuring range	Resolution	Output Output resistance	Nominal slope	Voltage supply	Galvanic isolation required in the measuring device/controller *	Connection
WP10.1MA-200	0.5... 200.0 ppm	0.1 ppm	4...20 mA uncalibrated	0.08 mA/ppm	12...30 VDC R _L 50Ω...R _L 900Ω	yes	2-pole terminal (2 x 1 mm ²) Recommended: Round cable Ø 4 mm 2 x 0.34 mm ²
WP10.1MA-500	5...2000 ppm	1 ppm		0,032 mA/ppm			
WP10.1MA-2000	5... 2000 ppm	1 ppm		0.008 mA/ppm			
WP10.1MA-2%	0.005... 2 % (20000 ppm)	0.001 % (10 ppm)		8 mA/% (0.0008 mA/ppm)			
WP10.1MA-5%	0.05... 5 % (50000 ppm)	0.01 % (100 ppm)		3.2 mA/% (0.00032 mA/ppm)			
WP10.1MA-20%	0.05... 20 % (200000 ppm)	0.01 % (100 ppm)		0.8 mA/% (0.00008 mA/ppm)			

* for further information see brochure 'Technical information // galvanic isolation' (in the download area of our website www.reiss-gmbh.com)

(Subject to technical changes!)

4.2 Electrical connection: 5 pole M12 plug-on flange

	Measuring range	Resolution	Output Output resistance	Nominal slope	Voltage supply	Galvanic isolation required in the measuring device/controller *	Connection
WP10.1MA-200-M12	0.5... 200.0 ppm	0.1 ppm	4...20 mA uncalibrated	0.08 mA/ppm	12...30 VDC R _L 50Ω...R _L 900Ω	yes	5-pole M12 plug-on flange Function of wires: PIN1: n. c. PIN2: +U PIN3: -U PIN4: n c. PIN5: n. c.
WP10.1MA-500-M12	5...2000 ppm	1 ppm		0,032 mA/ppm			
WP10.1MA-2000-M12	5... 2000 ppm	1 ppm		0.008 mA/ppm			
WP10.1MA-2%-M12	0.005... 2 % (20000 ppm)	0.001 % (10 ppm)		8 mA/% (0.0008 mA/ppm)			
WP10.1MA-5%-M12	0.05... 5 % (50000 ppm)	0.01 % (100 ppm)		3.2 mA/% (0.00032 mA/ppm)			
WP10.1MA-20%-M12	0.05... 20 % (200000 ppm)	0.01 % (100 ppm)		0.8 mA/% (0.00008 mA/ppm)			

* for further information see brochure 'Technical information // galvanic isolation' (in the download area of our website www.reiss-gmbh.com)

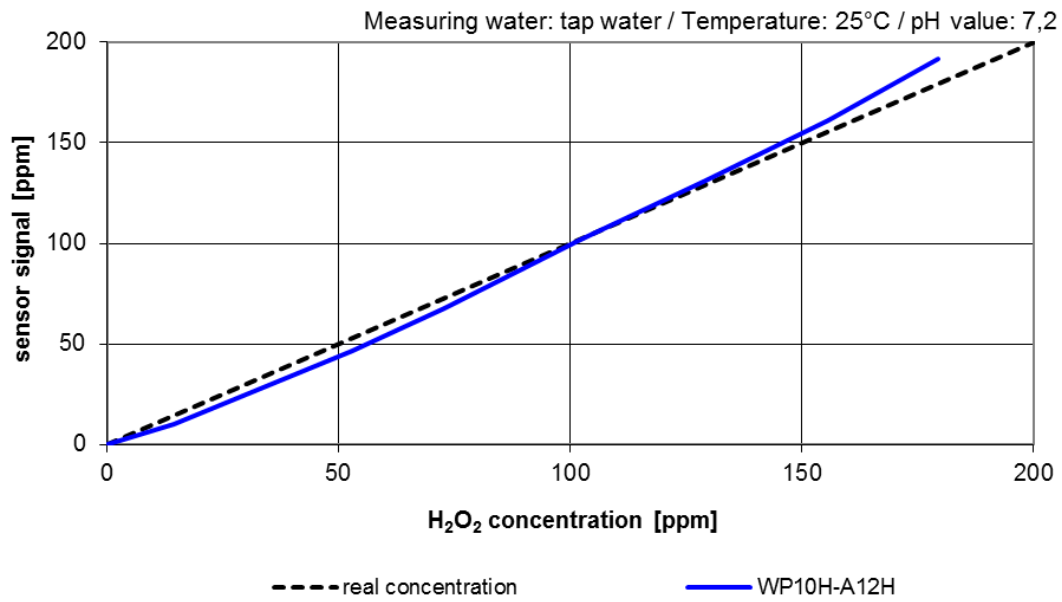
(Subject to technical changes!)

Spare Parts

Type	Membrane cap	Electrolyte	Emery	O-ring
All WP10.1	M10.3N Art. no. 11057	EWP7/W, 100 ml Art. no. 11201	S2 Art. no. 11906	20 x 1.5 silicone Art. no. 11803

(Subject to technical changes!)

Linearity of WP10H-A12n Measurement range 200 ppm



Linearity of WP10N-A12n Measurement range 2000 ppm

