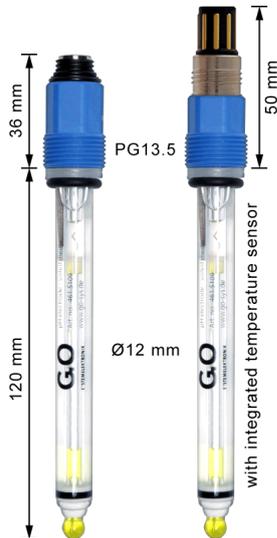


Sensor Data Sheet

DOC 461 5109-X-E-1.1-DS

pH Electrode single-rod measuring cell with PTFE diaphragm for waste water
(optional with integrated temperature sensor)

Article-No. 461 5109-X



Properties

- Low maintenance due to gel filling
- Long service life
- Good price/performance ratio
- High accuracy through the use of high alkali high temperature glass
- Dirt-repellent and corrosion resistant PTFE diaphragm

Applications

- Waste water
- Water with high solids content/suspended matter

Measurement parameter	pH	Temp. (optional)
Measuring principle	Potentiometric	Pt 1000
Measuring range	pH 0 – pH 14	-5 °C to 80 °C
Measuring resolution	0.01	
Measuring accuracy	±0.2 (depending on calibration)	
Measuring interval	≥ 1 s	≥ 1 s
Ambient pressure	max. 10 bar at 20 °C	
Probe conductivity	> 150 µS/cm	
Temperature range	-5 °C to 70 °C	

Electrode Body	pH	Temp. (optional)
Diaphragm	PTFE	
Shaft material	Glass	
Shaft length	120 mm	
Shaft diameter	12 mm	
Electrode Material	AH glass ball	
Reference system	Ag / AgCl / Tepox Gel	
Cable connector	S8 plug 2 poles	Variopin see Page 2
Protection	IP 68	

Sensor Data Sheet

Connection cable with plug for a pH single-rod measuring cell with integrated temperature sensor
 Article-No. 439 0516-XX

⚠ Note: Not used wires must be cut off and insulated from each other so that there is no short circuit between the wires!

