

A robust range of pH and ORP combination electrodes available with and without Memosens digital connectivity for industrial and processing applications.

#### **Benefits**

- Patented KNO3 electrolyte bridge resists electrode poisoning from ions such as S<sup>2-</sup> or CN<sup>-</sup>
- Available flat pH membrane resists wear in abrasive applications
- Top and bottom ¾" NPT threaded connection allows for insertion and dip type installations
- Memosens pH sensors include integrated temperature sensor
- Robust probe guard protects against damage from process borne solids etc.
- Full range of installation fittings and accessories available
- Memosens data saved in the sensor for plug and play connectivity

## **Applications**

#### **Mining Operations**

- Flotation
- Leaching
- · Process Water

## **Industrial Wastewater Treatment**

- · Coagulation Optimization
- Neutralization
- · Wastewater Outlet Monitoring

#### **Pulp and Paper**

· Wastewater Monitoring

# pH/ORP Sensors



## **General Specifications**

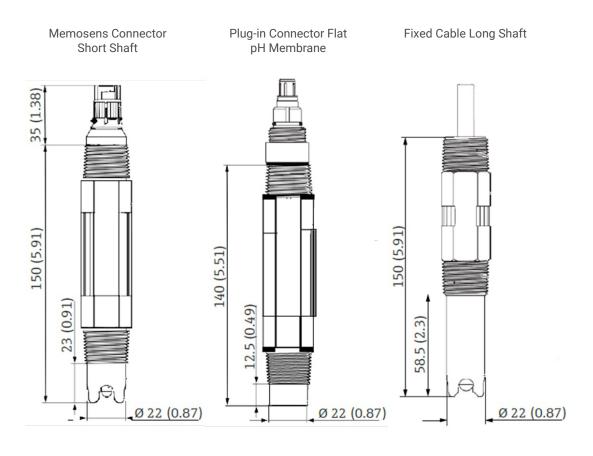
Parameter		рН		ORP	
Model		OCPF81E	OCPF81	OCPF82E	OCPF82
Process Connection		34" NPT male thread			
Measured Values	Version L	014 pH		_	
	Version N	011pH	014pH*	_	
	Version P	_		-1500+1500 mV	
Process Temp. Range	Temp. Sensor	Included	Optional	Included	_
	Version L	0110°C / 32230°F		_	_
	Version N	080°C / 32176°F – –		_	
	Version P	_	_	080°C/	80°C / 32176°F
pH Impedance		150 MΩ at 25°C / 77°F		_	
Process Pressure Range		0.811 bara / 11.6159.5 psia	110 bara / 15145 psia**	0.811 bara / 11.6159.5 psia	110 bara / 15145 psia**
Ambient Temperature		Risk of freezing below 0°C / 32°F			
Storage Temperature		050°C / 32122°F			
Ingress Protection	Memosens	IP68	_	IP68	_
	Plug-in Head	_	IP68	_	IP68
	Fixed Cable	_	IP67	_	IP67
Insertion length	Short Shaft	23mm / 0.91"			
	Long Shaft	58.5mm / 2.3"			
	Flat Membrane	12.5mm / 0.49"		_	
Process Contact Materials	Housing	PPS (Polyphenylene sulfide)			
	pH Sensor	Lead-free glass		-	
	ORP Sensor	-		Platinum/Glass	
	Reference Sys.	PTFE Ring Junction, Double Chamber, KNO3 and KCI/AgCI			
Cable Length***		_	Std: 15', 30'	_	Std: 15', 30'

<sup>\* 11</sup> to 14 pH with reduced accuracy

<sup>\*\*</sup> Process pressure range derates from 10 bara to 3.5 bara / 145 to 50.8 psia between 80°C / 176°F and 110°C / 230°F and 110°C / 230°F and 110°C / 230°F

<sup>\*\*\*</sup> Memosens and plug-in cables sold separately. Custom fixed lengths and extension cables available





(Dimensions: mm (in))

## **Related Equipment and Accessories**

- · OCM44 Memosens pH Transmitter
- · Memosens Cables
- OPM223/253 Analog Transmitters
- pH Cables/Extension Cables
- · Dip Holder Assemblies
- In Line Flow Tees
- · Calibration Buffers

#### **Contact us for details**