

Electrodes for Laboratory and Field Applications

Electrode Types

Built-in temp sensor	Use electrode with the following meters
Standard: Most economical electrode; includes BNC connector and cable.	
No	pH 5+/6+, pHTestr BNC, pH 5/6, Ion 6, Ion 6+, pH 10/11/100/110, pH 300/310, pH 500/510, Ion 510, pH 1000/1100/2100/2500, pH 700/2700, Ion 700/2700, PC 700/2700, pH/DO 300, pH/CON 300, pH/CON 510, pH 600/610/620, PC600, PD600, PDC650, and non-Oakton meters with BNC pH electrodes
All-in-One: Combination pH electrode/temperature sensor; includes BNC connector meter specific temperature connector, and cable. (See key image at right.)	
Yes	 Waterproof: pH 300/310, pH/CON 300, pH/CON 510
Direct connect: Electrode connects directly to meter; BNC connector and no cable.	
No	pHTestr BNC
ORP: Takes mV readings; includes BNC connector and cable.	
No	pH 5+/6+, pH 6, Ion 5/6, Ion 6+, pH 10/100, pH 300/310, pH 500, pH 510, Ion 510, pH 1000/2100/2500, pH/CON 510, pH 700/2700, Ion 700/2700, PC 700/2700

Electrode Types



Glass-body, spear-tip pH electrodes

– Test gels, semisolids, and plant or animal materials

Spear tip feature is ideal for testing semisolids. Choose single or double junction electrodes; both have an annular-type junction for faster electrode response.

Specifications & Ordering Information

Range: 0 to 12 pH

Max temperature: 100°C

Diameter: 12 mm OD, 8 mm tip

Catalog number	Type*	Junction	Cable length
WD-35805-18	Standard	Double	3 ft (1 m)
WD-35804-06	Standard	Single	3 ft (1 m)



Submersible pH electrodes

– Completely submersible up to 9 feet

These ABS plastic electrodes are ideal for field applications. Use double junction for testing dirty water and solutions with heavy metals or organics. Completely submersible—including the extra-long 10-ft cable. Annular junction provides fast response and resists pressure effects of submersion.

Specifications & Ordering Information

Range: 0 to 12 pH

Max temperature: 80°C

Diameter: 25 mm

Catalog number	Type*	Junction	Cable length
WD-35805-24	Standard	Double	10 ft (3 m)
WD-35801-85	All-in-One Waterproof 	Double	10 ft (3 m)
WD-35805-23	Standard	Single	10 ft (3 m)
WD-35805-25	ORP	Single	10 ft (3 m)



Epoxy-body ORP electrodes

– Use to take mV readings

Choose a single-junction electrode for field, clean water, and general-purpose applications; choose a double junction electrode for most applications including field, dirty water, heavy metals, and organics. Both models have a pin-type junction that provides low electrolyte leakage. Use the gold disk sensor for ozone applications.

Specifications & Ordering Information

Range: ±2000 mV

Max temperature: 80°C (except 35805-13: 70°C)

Diameter: 12 mm

Catalog number	Type*	Junction	Cable length
Platinum band sensor			
WD-35805-13	Standard	Single	3 ft (1 m)
WD-35805-15	Standard	Double	3 ft (1 m)
Gold disk sensor			
WD-35805-27	Standard	Double	3 ft (1 m)



Small-diameter pH electrodes

– Ideal for measurements in test tubes, NMR tubes, and other applications where space is limited

These electrodes feature a diameter from 6 to 9 mm—ideal for test tube applications. Replacement electrode fill solution for refillable electrodes is available on page 27.

Specifications & Ordering Information

Range: 0 to 12 pH

Max temperature: 80°C epoxy body or 100°C glass body

Catalog number	Type*	Junction	Dia x L	Cable length
Epoxy-body electrodes, sealed				
WD-35805-22	Standard	Single	6 x 220 mm	3 ft (1 m)
WD-35804-01	Direct connect	Single	9 x 100 mm	No cable
WD-35804-03	Direct connect	Double	9 x 100 mm	No cable
Epoxy-body electrode, refillable				
WD-35804-05	Direct connect	Double	9 x 100 mm	No cable
Glass-body electrode, refillable				
WD-35805-21	Standard	Double	8 x 325 mm	3 ft (1 m)

*See "Electrode Types" above.