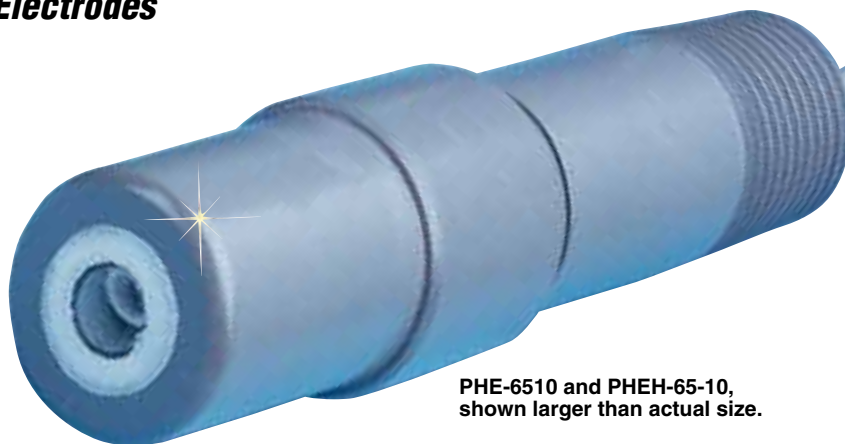




## Submersible Flat Surface pH/ORP Electrodes

### PHE-6510 Series



PHE-6510 and PHEH-65-10, shown larger than actual size.

- ✓ CPVC or PVDF Construction
- ✓ Designed For Mounting in Tanks and Flumes
- ✓ Easy Mounting in Tanks

#### Submersion Electrodes

The OMEGA® PHE/ORE-6510 submersible electrodes are designed for use in drums, open tanks and streams, etc. The flat sensing surface is surrounded by a porous polyethylene reference junction which minimizes fouling. Electrode installation and removal done by a simple ¼ turn quick disconnect. The cable assembly's cap has ½ MNPT thread, which can be connected to a coupling and support pipe. The pipe allows easy mechanical mounting and protects the cable from the liquid measured. The resulting assembly is lightweight for convenient handling when maintenance is needed. ATC is available as part of the mounting assembly.

The flat surface design is well suited for applications with relatively high suspended solids or where flocculation operations require low velocities.

Where only low velocities are present and coating is a problem, the electrode can be mounted at a 45° angle facing the flow so as to obtain increased scrubbing action across the measuring surface.

#### Specifications

##### Maximum Temperature

Standard Models: 65°C (150°F)

“-ACRYL” Units: 87°C (190°F) CPVC body 100°C (212°F)

PVDF body

Available Options: “-ACRYL” Acrylamide gel,  
“-HF” Fluoride resistant, “-LC” Low conductivity,  
“-GL” Ground loop, for additional cost.

#### Submersion/Electrodes

To Order	
Model No.	Description
PHE-6510	Submersion pH electrode, CPVC
PHE-6511	Submersion pH electrode, PVDF
ORE-6510	Submersion ORP electrode, CPVC
ORE-6511	Submersion ORP electrode, PVDF
Mounting Assemblies — Required for Installation	
PHEH-65-10	CPVC without automatic temperature compensation
PHEH-65-10-(* )	CPVC with ATC
PHEH-65K-10	PVDF without ATC
PHEH-65K-10-(* )	PVDF with ATC

**Note:** Temperature compensation is not required with ORP electrodes. Order electrode and mounting assemblies separately. Materials of construction must be the same.

Mounting Assemblies come with 3 m (10') cable with BNC connector. Cable lengths available up to 15 m (50') for additional cost per extra foot. Consult Engineering for ordering information.

#### \* Specify ATC Sensor

Order Code	Description
PT100	100 Ω Pt RTD
PT1K	1000 Ω Pt RTD
TH700	Series 700 Thermistor
R3K	3000 Ω Balco

**Ordering Examples:** PHE-6510-HF, CPVC electrode with HF resistant glass and PHEH-65K-10-TH700 mounting assembly with 3 m (10') cable and 700 Series thermistor ATC

PHE-6510 CPVC pH electrode, and PHEH-65-20 mounting assembly with 6 m (20') cable.

**NOTE:** At the time of initial purchase, please order both electrode and mounting assembly. Mounting assembly includes insertion assembly and cable. If ordered with automatic temperature compensation (ATC), the temperature compensator is built into the insertion assembly. When electrode has expired, simply re-order electrode.

#### Submersion Electrodes for use in Open Tanks

