

OAKTON®

ISFET pH electrodes

FlexipHet™ pH electrodes

Faster, safer and rugged non-glass pH electrodes for practically every application!

Provides faster and more reliable pH measurements

use where glass electrodes cannot be used

Silicon sensors are virtually unbreakable

use where glass electrodes are hazardous to sample or environment

Easy-to-clean clog resistant sensing area

run under water or use a toothbrush to clean and requires minimal routine maintenance

Use with any pH meter with a BNC connector

probe handle converts signal to use with standard pH meters—use with your existing pH meter

IP67 rated, fully submersible housing

Selectable Manual or Automatic Temperature Compensation

for the highest accuracy in any situation

Four types available:

General purpose tip gel filled

best suited for general purpose liquid applications and features a cup-style tip that requires only a drop of sample (see above right)

Cone tip gel filled

for thick, dirty or sticky samples

Cone tip liquid filled

for thick, dirty or sticky samples, plus it accepts different reference fill solutions for different applications

Pointed stainless steel penetration tip

allows easy penetration in dense or very viscous samples and semi-solids. Ideal for meats, cheeses and soil (see bottom right)

35815-00
General purpose tip



35815-10
Cone tip gel filled



35815-12
Cone tip liquid filled



35815-15
Penetration tip

Above right: General purpose FlexipHet features a cup-style tip that requires only a drop of sample.

Middle right: FlexipHet/pH 5 meter includes pH 5 meter and general purpose FlexipHet electrode.

Bottom right: FlexipHet/pH 310 meter kit includes pH 310 meter, penetration tip FlexipHet electrode, temperature probe, pH buffers and squeeze bottle all in a carrying case.

Use FlexipHet electrodes with any standard pH meter with a BNC connector—

no specialized meters needed! FlexipHet electrodes use silicon chip sensor ISFET technology for areas where broken glass electrodes can be hazardous to the sample or the environment. The clog-resistant sensing area requires minimal routine maintenance—simply run under water or use a toothbrush to clean.

Four types are available: general purpose gel filled; cone tip gel filled; cone tip refillable; and stainless steel penetration tip. These electrodes can be stored dry—no need for special storage solutions.

Kits are available that include an OAKTON pH meter and FlexipHet electrode; see ordering information for details.

OAKTON® ...setting the standard, again and again™

General purpose tip gel filled best suited for general purpose and features a cup-style tip that requires only a drop of sample.



Electrode can be turned on/off to conserve battery when not in use.



Clog-resistant sensing area is easily cleaned using a simple toothbrush.



Use penetration tip for pH measurements in dense, very viscous samples and semi-solids.



FlexipHet/pH 310 Deluxe meter kit includes all the components you need for fast, consistent calibration and measurement.



Calibration solutions are available in economical bottles or convenient pouches with a tear-off top.



FlexipHet™ ISFET pH electrodes

• Applications •

Industrial Applications: Use in water conditioning plants; cooling towers, plating and finishing operations; pulp and paper; water-based inks, paints and coatings; printing; pharmaceutical and cosmetic manufacturing; water testing; chemical production; water and waste water treatment; rinse water analysis; and chemical process verification.

Food applications: Measure pH of food, beer, wine, milk, soft-drinks, cheese, meats and other semi-solids, cleaning water, rinse water, and wastewater.

Environmental/Agricultural Applications: Use in ecology studies, aquariums, hydroponics, and environmental monitoring. Use penetration probe for soil testing.

Laboratory Applications: Use in all types of food analysis, quality assurance testing, petrochemical, chemical and titration applications.

• Specifications •

Temperature Compensation:
Automatic or manual, depends upon pH meter selected

pH range: 0 to 14 pH

Output signal:

Accuracy: ±0.02 pH
Resolution: 0.01 pH

Operating Temperature:

35815-00, -10, -12: -5 to 105°C
35815-15: 0 to 60°C

All models fully submersible up to 50°C

Battery:

3.6 V 1/2 AA lithium thionyl

Dimensions (excluding handle):

35815-00, -10, -12: 4.3" L x 0.47" dia with 5 ft cable
(110 mm L x 12 mm dia)

35815-15: 2.0" L x 0.47" dia with 5 ft cable (50 mm L x 12 mm dia)

Shipping Weight:

35815-00, -10, -12: 0.3 lb (0.14 kg);

35815-15: 0.5 lb (0.23 kg)

• Ordering Information •

FlexipHet Electrodes

All FlexipHet electrodes include instruction manual.

WD-35815-00 FlexipHet electrode, general purpose

WD-35815-10 FlexipHet electrode, cone tip, gel filled

WD-35815-12 FlexipHet electrode, cone tip, refillable

WD-35815-15 FlexipHet electrode, penetration tip

FlexipHet/pH Meters and Kits

FlexipHet general purpose/Acorn pH 5 meter. Includes the Acorn pH 5 meter with temperature probe (WD-35613-01, see Bulletin pH B1 for complete specifications), general purpose FlexipHet pH electrode (WD-35815-00), batteries and instructions. Shpg wt 1.5 lb (0.7 kg).

WD-35613-08 FlexipHet/pH 5 meter

FlexipHet penetration tip/Acorn pH 5 meter. Includes the Acorn pH 5 meter with temperature probe (WD-35613-01, see Bulletin pH B1 for complete specifications), penetration tip FlexipHet pH electrode (WD-35815-15), batteries and instructions. Shpg wt 1.5 lb (0.7 kg).

WD-35613-09 FlexipHet/pH 5 meter

FlexipHet general purpose/pH 300 meter. Includes the water-proof pH 300 meter (WD-35618-02, see Bulletin pH B5 for complete specifications), temperature probe (WD-35618-05), general purpose FlexipHet pH electrode (WD-35815-00), batteries and instructions. Shpg wt 2.0 lb (0.9 kg).

WD-35618-08 FlexipHet/pH 300 meter

FlexipHet/pH 310 Deluxe meter kit. Includes the waterproof pH 310 meter (WD-35618-12, see Bulletin pH B5 for complete specifications), temperature probe (WD-35618-05), penetration tip FlexipHet pH electrode (WD-35815-15), 5 each of pH "Singles" buffer pouches pH 4.01; 7.00; 10.01; and rinse water, squeeze bottle, batteries and instructions in a hard carrying case. Shpg wt 2.0 lb (0.9 kg).

WD-35618-73 FlexipHet/pH 310 Deluxe meter kit

pH Calibration Buffer Bottles

1 pint of calibration solution each. ±0.01 pH accuracy at 25°C. Certified to NIST traceable standards. Shpg wt 1.3 lbs (0.6 kg).

WD-00654-01 pH 1.68 calibration buffer

WD-00654-00 pH 4.01 calibration buffer

WD-00654-04 pH 7.01 calibration buffer

WD-00654-08 pH 10.01 calibration buffer

WD-00654-12 pH 12.45 calibration buffer

pH "Singles" Calibration Buffer Pouches

Each single-use pouch contains 20 ml of fresh calibration solution. ±0.01 pH accuracy at 25°C. Certified to NIST traceable standards. Shpg wt 1 lb (0.5 kg). Box of 20.

WD-35653-01 pH "Singles", 4.01

WD-35653-02 pH "Singles", 7.00

WD-35653-03 pH "Singles", 10.00

WD-35653-00 pH "Singles", rinse water

WD-35653-04 pH "Singles", assortment pack, 5 each of pH 4.01; 7.00; 10.00 and rinse water

Accessories

WD-35803-73 Electrode fill solution

for cone tip refillable FlexipHet electrode WD-35815-12

WD-35710-65 Replacement battery

for FlexipHet electrodes

• ORDER FROM •