



HF Resistant Flat Surface pH Electrodes



Resists attack and etching from HF

Resists coating and fouling

Installs in seconds with no tools

CPVC or PVDF versions available

Connects to existing Sensorex flat surface mounting hardware

This specification sheet serves as an addendum to other flat-surface, self-cleaning electrode specifications (submersion, by-pass, in-line and insertion) for use in hydrofluoric acid. All electrode mechanical specifications are on the appropriate specification sheet mentioned above. They are available on our web site at www.sensorex.com.

Specifications differences for use in hydrofluoric acid (HF) are shown in SPECIFICATIONS section on the back side of this data sheet. Please note 2 major differences as compared to standard electrodes. First, pH range is 0-12 not 0-14. Second, the temperature range is 0-50 deg C.

This series of sensors are fully compatible with all existing appropriate Sensorex mounting hardware. Calibration of these sensors is as normal with any standard pH electrode using standard pH buffer solutions.



Parts covered by this data sheet include:
S650CDHF, S650KDHF, S645CDHF,
S645KDHF, S660CDHF, S661CDHF,
S662CDHF, S655CDHF



PRODUCT SPECIFICATION SHEET

HF Resistant Flat Surface pH Electrodes

Designed to resist etching and attack from applications containing acidic fluorides. Will provide extended service life over conventional pH electrodes in these applications.

Specifications

Wetted Materials: CPVC Electrodes: CPVC, HDPE, Glass, Viton, EPR - KYNAR (PVDF) Electrodes: Kynar, Glass, Viton,

Range of Measurement: pH electrodes: 0-12 pH

Pressure Maximum: 50 Deg. C/100psig

Temperature Range: 50 Deg. C

Speed of Response: 95% in 5 seconds

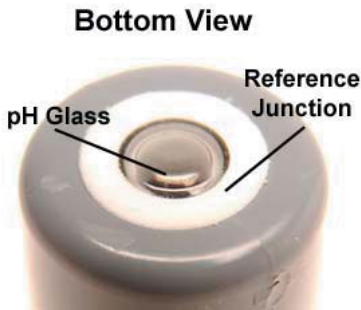
Maximum suggested HF% = 5% v/v

Ordering Information

The TCS toroidal sensors are submersion ready by utilizing the 3/4" MNPT threads on the top of the sensor. In-line installations are accomplished by ordering a tee adapter listed below.

Sensors

S650CDHF	Flat surface CPVC submersion pH electrode
S650KDHF	Flat surface KYNAR submersion pH electrode
S645CDHF	Flat surface CPVC side stream pH electrode
S645KDHF	Flat surface KYNAR side stream pH electrode
S655CDHF	Flat Surface CPVC insertion pH electrode
S655KDHF	Flat Surface KYNAR insertion pH electrode
S660CDHF	Flat surface CPVC in-line pH electrode
S661CDHF	Flat surface CPVC in-line pH electrode
S662CDHF	Flat surface CPVC in-line pH electrode



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