

Intellical ISEF121 Fluoride (F^-) Ion Selective Electrode (ISE), 3 m cable

Product #: **ISEF12103** Hazardous

AED Price: Available

Contact Hach



Intellical ISEF121 is a digital, combination, Fluoride ion selective electrode (ISE) with a with a non-refillable gel reference with a single junction porous PTFE annular ring, and built-in temperature sensor. The electrode measures fluoride concentration in water samples. The laboratory version of this ISE is shockproff with its Epoxy plastic body.The Intellical ISEF121 probe is available with a 1 or 3 meter cable and is intended for laboratory use. The ISEF181's solid-state sensor design eliminates membrane replacement and allows for dry storage of the ISE. The ISEF121 is ideal for measuring fluoride concentrations in wastewater, drinking water and general water quality applications.

Requires virtually no maintenance
The solid-state sensor design allows for DRY storage of the ISE without a shelf life. Also, the probe does not require the electrolyte to be refilled or membrane replacement.

Fast, stable, and accurate results
Intellical digital probes lock on the result when the measurement is stable, removing the guesswork in having a moving number. Additionally, the probe's large annular reference junction provides maximum surface area between sample and reference electrolyte for fast measurement stability.

Ultimate traceability in measurement history
Stored time and date stamp for each measurement, operator and sample ID, calibration history, parameter, and probe serial number

Can be moved between meters without the need to re-calibrate or re-enter measurement settings
Ideal for a multi-user environment with multiple HQD series Laboratory and Portable meters

Specifications

Accuracy:	±0.02 mV or 0.05%, whichever is greater
Cable length:	3 m
Electrode type:	Non-Refillable Dritek Gel Reference Element
ISA required:	Fluoride ISA (#258999)
Junction:	Annular Junction (PTFE)
Kit?:	No
Length:	175 mm
Measuring range:	0.01 mg/L (5×10^{-7} M) - 19 g/L (1 M) F^-
Method Type:	Field: Non-Refillable Dritek Gel Reference Element
Parameter:	Fluoride
Product Kit:	Model: ISEF121

	Accessories Included: None
Reference system:	Ag/AgCl
Resolution:	Selectable up to 4 significant digits
Sample depth:	25.4 mm
Sample volume:	25 mL
Sensor material:	Epoxy
Sensor type :	Solid-state crystal membrane
Special Features:	Dry storage & fast response time. No replacement membranes.
Temperature accuracy:	±0.3 °C
Temperature range:	5 - 50 °C
Temperature resolution:	0.1 °C
Test requirements:	Parameter Needed: Fluoride
	Minimum Sample Depth (mm): 26
Thermistor:	Integrated
Warranty:	12 months
Weight:	0.15 kg
What's included?:	Intellical ISEF121 combination Fluoride ISE, 3 m cable (ISEF12101), Test certificate, and Basic User Manual.

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