

Mottech Liquid EC Sensor



Mottech Liquid EC sensor uses advanced anti-polarization technology, internal signal isolation technology, and has strong anti-interference ability. This sensor has stable and accurate measurement, maintenance-free, and easy to install.

Mottech EC Sensor can be connected directly to any controller in Mottech's system via analog input or Mottech Smart Card.

Features and Benefits

On-line measurement



Titanium alloy electrode & Teflon lining



High accuracy



Electromagnetic isolation



Strong resistance to corrosion



Polarization Resistance



High temperature resistance



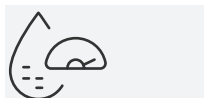
Integral design without external transmitter



Applications



Agriculture irrigation



Water source monitoring



Water conservancy



Environmental monitoring



Sewage treatment



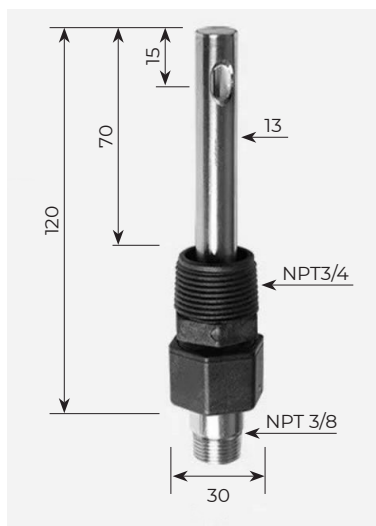
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Technical specification

Item	Technical Specification
	EC
Measuring medium	Liquid
Principle	Frequency conversion method
Range	0~500us/cm, 0~5,000us/cm, 0~10,000us/cm, 0~200,000us/cm (any range of 0-300ms/cm can be customized, 1ms/cm = 1,000us/cm)
Supply	7-30VDC (power consumption<0.2W)
Accuracy	±1%
Response time	1s
Output Signal	4-20mA
Electrode	Titanium alloy
Drift	≤0.3%FS/24h
Operating Temperature	-20°C~+80°C
Probe material	316L or ABS (Strongly corrosive liquids)
Ingress Protection	IP68
Storage	10-60°C@20%-90%RH
Cable length	5 m
Code	M.SENS-91-A

Dimensions

Unit: mm



Installation & Usage

Directly into the liquid
Adopt submersible mounting
bracket (shown in the below figure)

