

Water Quality Probes

pH, EC/Temperature, Dissolved Oxygen, and ORP Probes

MODELS SENSOR-PH / SENSOR-EC / SENSOR-DO / SENSOR-ORP · NURAVINE FERTIGATION PLATFORM

Laboratory-grade probes for continuous reservoir and inline monitoring on the Aurora and Aurora II. All probes are passive electrochemical sensors: they draw no meaningful power and are read directly by the controller's measurement front end.

Probes install in Nuravine Schedule 80 manifolds or directly in the reservoir. Standard probes use color-coded connectors on the controller (pH black, ORP green, DO blue, plus the dedicated EC/temperature port). Industrial 3/4 in threaded versions are available for permanent inline plumbing.

- Laboratory-grade, US-manufactured pH and EC
- Color-coded connectors, 2 m cables
- Passive sensors, no power required
- Guided calibration wizards on the controller
- Industrial threaded versions available
- Schedule 80 manifold mounting, 2 to 4 sockets



PH PROBE (SENSOR-PH)	
Type	Double junction, gel-filled
Range	pH 0-14, 0.1 resolution on controller
Reference	3.5 M KCl / AgCl gel
Calibration	2-point (pH 7.0 and 4.0), guided wizard
Temperature range	0-60 C
Connector / cable	BNC, 2 m
Service life	6-12 months typical

EC / TEMPERATURE PROBE (SENSOR-EC)	
Type	Dual-function conductivity + temperature
Cell constants	K 0.1, 1.0, and 10 supported
Calibration	3-point (dry, 445, 1417 uS/cm), guided wizard
Compensation	Automatic temperature compensation to 25 C
Temperature range	0-70 C
Minimum immersion	12.7 mm (0.5 in)
Connector / cable	Dedicated EC/temp port, 2 m
Service life	2+ years

DISSOLVED OXYGEN PROBE (SENSOR-DO)	
Range	0-20 mg/L
Calibration	Single-point in open air
Maximum temperature	50 C
Connector / cable	BNC, 2 m
Maintenance	Recondition every 6-12 months (kit available)
Service life	2+ years

ORP PROBE (SENSOR-ORP)	
Type	Double junction
Reference	3.5 M KCl / KNO3
Calibration	Single-point, 225 mV reference solution
Temperature range	0-60 C
Connector / cable	BNC, 2 m
Service life	6-12 months typical

ELECTRICAL	
Power	Passive sensors; negligible draw (under 0.1 W total)
Measurement	Read by the controller's measurement front end

INSTALLATION AND CARE

Mounting	Schedule 80 manifold (2-4 sockets) or direct immersion
Manifold order	EC/temp, pH, ORP, DO (left to right)
Probe checks	Monthly against calibration solutions
Cleaning	Swap probes for 1 in threaded plugs during harsh cleaning
pH storage	Keep wetted in storage solution; do not store dry
Warranty	pH and ORP probes 6 months; other sensors 2 years

ORDERING INFORMATION

MODEL / SKU	DESCRIPTION
SENSOR-PH	pH probe, double junction, BNC, 2 m
SENSOR-EC	EC/temperature combination probe, 2 m
SENSOR-DO	Dissolved oxygen probe, BNC, 2 m
SENSOR-ORP	ORP probe, double junction, BNC, 2 m
SENSOR-PH-IND	Industrial pH/ORP probe, 3/4 in threaded
SENSOR-EC-IND	Industrial EC/temperature probe, 3/4 in threaded
MANIFOLD-2 / -3 / -4	Schedule 80 sensor manifolds, 2 to 4 probe sockets

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