

PH4F PH SENSORS

Product Data Sheet

PH4F-120-10E-N

HF-resistant pH sensor

FUNCTION HF-resistant pH sensor	FAMILY PH4F pH sensors	ORIGIN Japan	WEIGHT 0.50 kg
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Yokogawa PH4F-120-10E-N is a HF-resistant pH sensor for the PH4F pH sensors. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Measuring range	pH 2 to 11
Insertion length	120 mm
Cable length	10 m
Temperature range	0 to 80 °C
Maximum pressure	1.6 MPa at 25 °C
Reference system	Double-junction reference
Wetted glass	HF-resistant pH glass
Body material	PPS resin
Junction material	Porous PTFE
Temperature element	Pt1000

ADDITIONAL PRODUCT DATA

Cable termination	Dedicated Yokogawa analyzer leads
Compatible analyzers	FLXA and PH450 families per wiring table
Installation connection	Threaded holder or flow assembly
Process service	Fluoride-containing aqueous solutions

OFFICIAL APPLICATIONS

- Hydrofluoric-acid resistant pH measurement: Water Quality Measurement Systems
- Corrosive process pH monitoring: Process Analytical Systems
- Pickling-line solution monitoring: Surface Treatment Systems

SYSTEM COMPATIBILITY

Match PH4F-120-10E-N to the installed PH4F pH sensors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[Yokogawa official manufacturer documentation](#)

<https://web-material3.yokogawa.com/GS12B07J01-01E.pdf>

AMIKON PRODUCT SUPPORT

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