

FU20

Product Data Sheet

FU20-05-T1-NPT

Wide Body pH ORP Sensor

PH MEASURING RANGE 0 to 14	ORP MEASURING RANGE -1500 to +1500 mV	INTEGRAL CABLE LENGTH 5 m	TEMPERATURE COMPENSATION ELEMENT Pt1000 to IEC 751
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Yokogawa FU20-05-T1-NPT is a wide body ph orp sensor in the FU20 range. It combines pH, ORP, reference and temperature elements for general-purpose liquid analysis. This version has a 5 m integral cable, Pt1000 element and a PPS dome-shaped NPT body.

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VERIFIED TECHNICAL DATA

pH measuring range	0 to 14
ORP measuring range	-1500 to +1500 mV
Integral cable length	5 m
Temperature compensation element	Pt1000 to IEC 751
Sensor body material	PPS GF40
Reference electrode	Ag/AgCl, double junction
Reference junction material	Porous PTFE
ORP electrode material	Solid platinum
Glass membrane	G-glass, dome shape
Conductivity requirement	Greater than 50 microS/cm

ADDITIONAL PRODUCT DATA

Glass impedance	100 to 300 Mohm
Junction resistance	Less than 10 kohm
pH step response t90	Less than 15 s from pH 7 to 4
Operating temperature	-10 to +105 deg C
Maximum mounting torque	12 Nm

DOCUMENTED USE SETTINGS

Water Purification and Wastewater Treatment Processes: Industrial Water Treatment.

Chemical Manufacturing and Liquid Process Production: Industrial Chemical Processing.

Electric Power Generation and Water Treatment: Power Plant Water Treatment.

SYSTEM COMPATIBILITY

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PRODUCT EVIDENCE

FU20 manufacturer technical reference

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM