

EXA 100 Series



EXA 100 Series

PH100

Panel Mount pH Measurement System

OR100

Panel Mount ORP Measurement System

SC100

Panel Mount Conductivity Measurement System

Bulletin 12B11A01-01E

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EXA100 Series Panel Mount Water Quality Measurement Systems

FEATURES

- 96 X 96 mm panel mount design for indoor use
- Easy access to routine maintenance mode
- Practical functions packed in a compact housing
- Large 4-digit display
- One analog output and two/four contact outputs as standard
- Easy-to-operate automatic calibration
- Self-diagnostics (calibration failure, measurement failure, etc.)
- CE, CSA, UL, C-tick compliance

APPLICATIONS

- Wastewater treatment
- Water supply treatment
- Simplified instrumentation
- Integration into various panel mount systems



Panel Mount pH Measurement System

Model PH100

Specifications

Measuring range: 0 to 14 pH
Resolution: 0.01pH
Output signal:
1 output 4-20 mA DC
Contact output:
2 or 4 outputs, on/off action

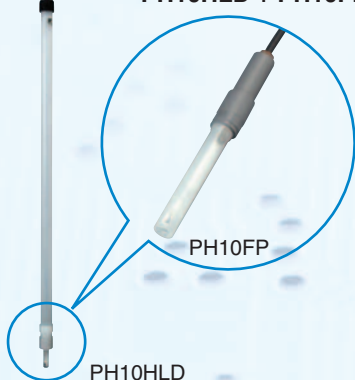
Self-diagnostics functions:
pH measurement range failure, temperature measurement range failure, temperature detector failure, and converter failure

Front panel:
IP55/IP65 (optional)
Power supply:
100 to 240 VAC 50/60 Hz
Safety: CE, CSA, UL
EMC: EN61326, C-tick AS/NZS CISPR11

Sensors and Holders for EXA100 Series (Adapter installation available)

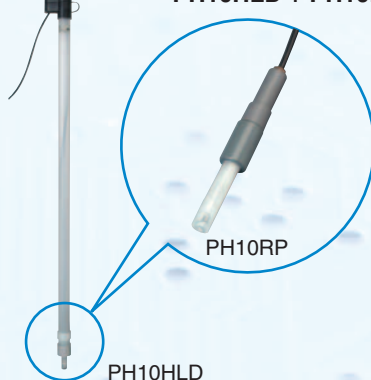
KCl-filled holder and
KCl refillable pH sensor

PH10HLD + PH10FP



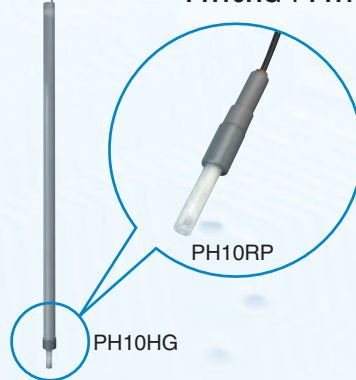
Immersion holder and
KCl replenish-free pH sensor

PH10HLD + PH10RP



Guide-pipe holder and
KCl replenish-free pH sensor

PH10HG + PH10RP

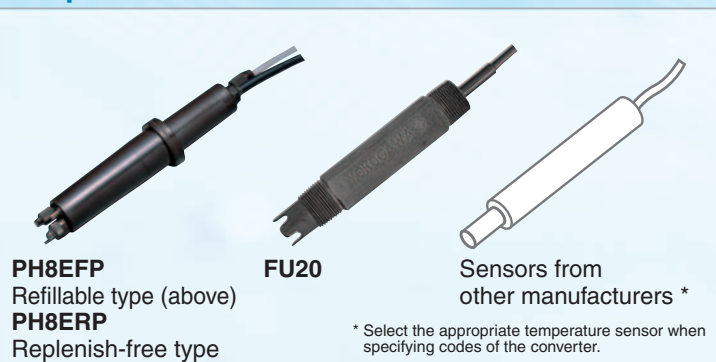


Application Example

For wastewater applications
**KCl refillable sensor +
KCl-filled immersion holder**



Compatible Sensors



Related Equipment

Terminal Box for EXA100
WTB100-PH



Terminal box and extension cable allow installation remote from the measuring point.

* Dedicated extension cable for EXA100, Model WF100-PH, is recommended.



Panel Mount ORP Measurement System

Model OR100

Specifications

Measuring range:
-1500 to 1500 mV

Resolution: 1 mV

Output signal:
1 output 4-20 mA DC

Contact output:
2 or 4 outputs, on/off action

Self-diagnostics functions:
ORP measurement range
failure, converter failure

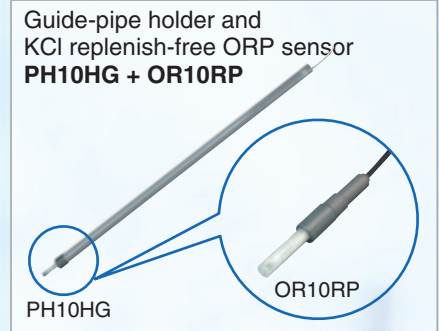
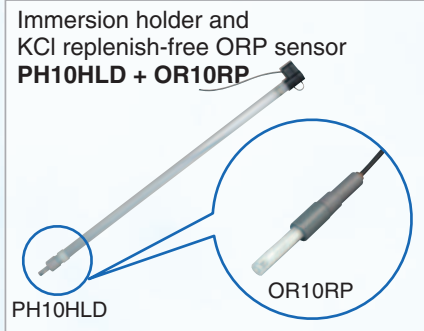
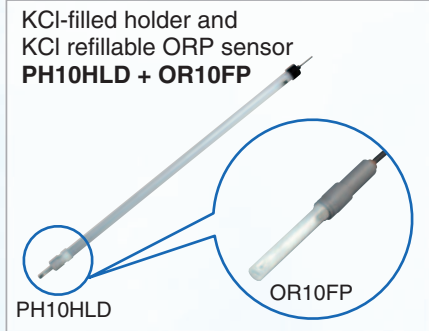
Front panel:
IP55/IP65 (optional)

Power supply:
100 to 240 VAC 50/60 Hz

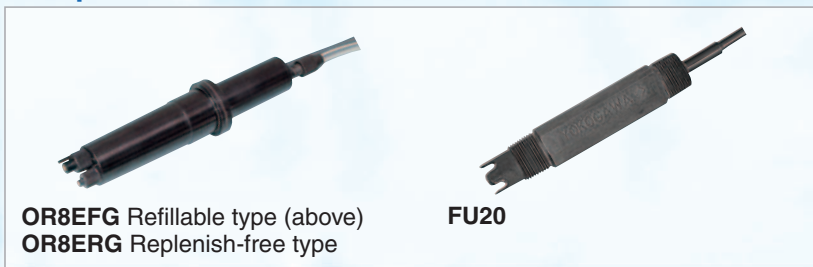
Safety: CE, CSA, UL

EMC: EN61326, C-tick AS/NZS CISPR11

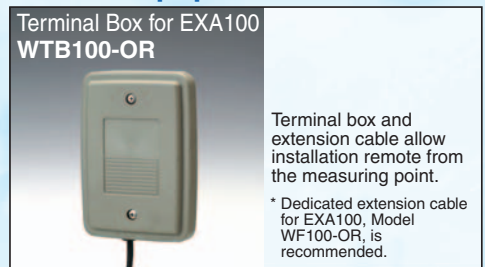
Sensors and Holders for EXA100 Series (Adapter installation available)



Compatible Sensors



Related Equipment



Panel Mount Conductivity Measurement System

Model SC100

Specifications

Measuring range:
0 to 200 mS/cm

Indication range:
0.000 μ S/cm to 200.0 mS/cm

Temperature input:
Pt1000/Pt100

Temperature input range:
-10 to 110°C

Output signal:
1 output 4-20 mA DC

Output range:
Configurable in the measuring range

Contact output:
2 or 4 outputs, on/off action

Front panel:
IP55/IP65 (optional)

Power supply:
100 to 240 VAC 50/60 Hz

Safety: CE, CSA, UL

EMC: EN61326, C-tick AS/NZS CISPR11

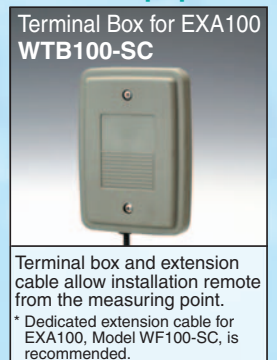
Application Example



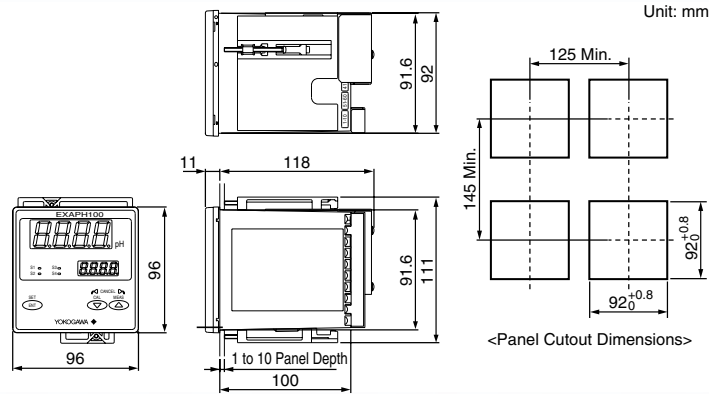
Compatible Sensors



Related Equipment



Dimensions



Model and Suffix Codes

Panel Mount pH Converter, PH100

Model	Suffix code	Option code	Description
PH100	-----	-----	Panel mount pH converter
	-A	-----	Always -A
Label language	-E	-----	English
	-J	-----	Japanese
Contact output	-21	-----	2 contact outputs
	-41	-----	4 contact outputs
Temperature sensor	-T1	-----	Pt1000/Pt100
	-T2	-----	Pt1000/500 Ω
	-T3	-----	Pt1000/10 kΩ
	-T4	-----	Pt1000/6.8 kΩ
	-NN	-----	Always -NN
Option	Construction	/65	with sealing

Panel Mount ORP Converter, OR100

Model	Suffix code	Option code	Description
OR100	-----	-----	Panel mount ORP converter
	-A	-----	Always -A
Label language	-E	-----	English
	-J	-----	Japanese
Contact output	-21	-----	2 contact outputs
	-41	-----	4 contact outputs
	-NN	-----	Always -NN
Option	Construction	/65	with sealing

Panel Mount Conductivity Converter, SC100

Model	Suffix code	Option code	Description
SC100	-----	-----	Panel mount conductivity converter
	-A	-----	Always -A
Label language	-E	-----	English
	-J	-----	Japanese
Contact output	-21	-----	2 contact outputs
	-41	-----	4 contact outputs
	-NN	-----	Always -NN
Option	Unit Construction	/UNT /65	S/m with sealing

* For details, refer to the respective specifications.
 PH100 Panel Mount pH Measurement System: GS 12B11A01-01E
 OR100 Panel Mount ORP Measurement System: GS 12C11A01-01E
 SC100 Panel Mount Conductivity Measurement System: GS 12D11A01-01E

NOTICE

- Before operating the product, read the instruction manual thoroughly for proper and safe operation.
- If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices.

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