General Specifications

Model PH71/72
pH71/72 pH and/or ORP pocketmeter

RoHS

Compact, Easy-to-Use, and Dip-proof, the PH72 is designed specifically to meet the needs of both the field and the laboratory. This portable pH meter includes advanced features such as optional ORP measurement (with appropriate electrodes), Automatic or Manual Temperature Compensation, and several calibration options. Combined with a wide variety of pH electrodes, the PH72 offers the flexibility to meet the requirements of nearly any pH application.

Features
• Waterproof (IP67), sealed case and connector cover to keep out moisture
• Automatic and Manual Calibration
• Large, easy-to-read LCD display
• Auto or Manual Temperature Compensation
• ORP Measurement with appropriate electrode
• Auto power off extends battery life

Specifications

Measuring Ranges:

pH	0 - 14 pH
ORP	-2000 to 2000 mVmV
Temperature	0 - 80°C (or 0 - 100°C[*1])

Resolution:

pH	0.01 pH (± 1 digit)
ORP	1 mV (± 1 digit)
Temperature	0.1°C

Repeatability:

pH	±0.01 pH ±1 digit
ORP	±1mV ±1 digit

Process temperature: 0 - 80 or 100°C[*1]

Ambient temperature: 0 – 50°C

Power Supply: Two AA size Alkaline Batteries

[*1] Only upto 100°C when needle type or test tube size pH sensor is used

Model and Suffixcodes

Personal pH Meter

Model	Suffix Code	Option Code	Description
PH71			Personal pH meter
pH sensors	-00		Without sensor
	-11		With KCl replenish-free type combination pH sensor (cable length: 0.75 m)
	-13		With KCl replenish-free type combination pH sensor (cable length: 3 m)
	-21		With KCl refillable type combination pH sensor (cable length: 0.75 m)
	-23		With KCl refillable type combination pH sensor (cable length: 3 m)
	-32		With needle type pH sensor (cable length: 0.75 m)
	-33		With test tube size pH sensor (cable length: 0.75 m)
Label language	-J		Japanese
	-E		English
	-AA		Always -AA

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GS 12B03D01-E-E
4th Edition

Personal pH/ORP Meter

Model	Suffix Code	Option Code	Description
PH72			Personal pH/ORP meter
sensors	-00		Without sensor
	-11		With KCl replenish-free type combination pH sensor (cable length: 0.75 m)
	-13		With KCl replenish-free type combination pH sensor (cable length: 3 m)
	-21		With KCl refillable type combination pH sensor (cable length: 0.75 m)
	-23		With KCl refillable type combination pH sensor (cable length: 3 m)
	-32		With needle type pH sensor (cable length: 0.75 m)
	-33		With test tube size pH sensor (cable length: 0.75 m)
	-41		With KCl refillable type ORP sensor (cable length: 0.75 m)
	-43		With KCl refillable type ORP sensor (cable length: 3 m)
	-51		With KCl refillable type combination pH sensor (cable length: 0.75 m) + KCl refillable type ORP sensor (cable length: 0.75 m)
Label language	-J		Japanese
	-E		English
	-AA		Always -AA

pH Sensors for Personal pH/ORP Meter

Model	Suffix Code	Option Code	Description
PH72SN			pH sensor for personal pH/ORP meter
	-11		For PH71/72: KCl replenish-free type combination pH sensor (cable length: 0.75 m)
	-13		For PH71/72: KCl replenish-free type combination pH sensor (cable length: 3 m)
	-18[1]		For PH81/82: KCl replenish-free type combination pH sensor (cable length: 0.75 m)
	-19[1]		For PH81/82: KCl replenish-free type combination pH sensor (cable length: 3 m)
	-21		For PH71/72: KCl refillable type combination pH sensor (cable length: 0.75 m)
	-23		For PH71/72: KCl refillable type combination pH sensor (cable length: 3 m)
	-28		For PH81/82: KCl refillable type combination pH sensor (cable length: 0.75 m)
	-32		For PH71/72: Needle type pH sensor (cable length: 0.75 m)
	-33		For PH71/72: Test tube size pH sensor (cable length: 0.75 m)
	-38[1]		For PH82: Needle type pH sensor (cable length: 0.75 m)
	-39[1]		For PH82: Test tube size pH sensor (cable length: 0.75 m)
	-AA		Always -AA

[1] Combination of pH sensors for PH81/82 meter with PH71/72 meter will not be IP67 waterproof.

ORP Sensors for pH/ORP Meter

Model	Suffix Code	Option Code	Description
OR72SN[1]			ORP sensor for personal pH/ORP meter
	-41		For PH72: KCl refillable ORP sensor (cable length: 0.75 m)
	-43		For PH72: KCl refillable ORP sensor (cable length: 3 m)
	-48[2]		For PH82: KCl refillable ORP sensor (cable length: 0.75 m)
	-49[2]		For PH82: KCl refillable ORP sensor (cable length: 3 m)
	-AA		Always -AA

[1] Cannot be connected to PH81 and PH71 meters
[2] Combination of ORP sensors for PH81/82 meter with PH72 meter will not be IP67 waterproof.

Options (Available Seperately)

For pH and conductivity meters in common	Hard case	B9108NK
	Soft case	B9108XA

Spare parts

O-ring and gasket set	K9654AY	Gaskets for battery box (2 pcs) and O-rings for connector (2 pcs)

Yokogawa has an extensive sales and distribution network.
Please refer to the European website (www.yokogawa.com/eu) to contact your nearest representative.

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