

pH meters, portable, Thermo Scientific Orion Star series 04



Technical Specification - General

pH

Range, pH	-2.000 to 19.999
Resolution, pH	0.1/0.01/0.001
Accuracy, pH	±0.002

ISE

Range, ISE	0 to 19,900
Units	M, mg/L, %, ppb or no units
Resolution, ISE	1, 2, or 3 significant digits
Accuracy, ISE	±0.2mV or 0.05%, whichever is greater
mV/RmV	±1,999.9

DO₂

Concentration, mg/L	0.00 to 90.00
Relative accuracy, mg/L	0.2
% Saturation	0.0 to 600
Salinity factor, ppt	0 to 45
Barometric pressure, mmHg	450 to 50

Conductivity

Range	0.000 to 3,000mS/cm, auto resolution with cell constant dependence
Resistivity, MΩ	0.0001 to 100
Salinity, ppt	0.01 to 80.0 NaCl equivalent
TDS	0 to 19,999
Reference temperature, °C	15, 20 or 25 (default), autoranging
Cell constant	0.001 to 199.9

ORP

mV/RmV/EH range	±1999.9
Resolution	±0.1
Relative accuracy	±0.2mV or 0.05%, whichever is greater

Temperature range, °C

Electrical supply	4 x 1.5V AA batteries (supplied)
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Meter only

Catalogue No	Description
PHK-615-010E	3-Star pH portable meter
PHK-615-020B	4-Star pH/ISE portable meter
PHK-615-050P	5-Star multi-parameter meter

Kit

Catalogue No	Description
PHK-581-050V	3 star pH meter kit, portable

Accessories

Catalogue No	Description
PHK-615-510H	Ross Ultra® combination electrode with glass body
PHK-615-500K	Orion Triode™ pH/ATC electrode (for all models, except multi-parameter)
PHK-620-505A	Dissolved oxygen probe with 3m cable for pH/DO, and multi-parameter models
PHK-620-510H	Conductivity probe with 1.5m cable for pH/conductivity and multi-parameter models
PHJ-700-010U	pH4.01 buffer solution, 475mL
PHJ-700-020R	pH7.00 buffer solution, 475mL
PHJ-700-030X	pH10.01 buffer solution, 475mL
BMT-680-050T	Battery, alkaline, 1.5V, AA
PHK-615-515U	Automatic temperature compensation probe
PHK-535-565W	pH electrode storage solution, 475mL

