



## Continuation pH meters, bench top, Thermo Scientific Orion Star series

**Thermo**  
SCIENTIFIC

04

**NEW** **3yr**

### Technical Specification

#### 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 19,990
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

#### DO<sub>2</sub>

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	±1,999.9
Resolution	±0.1
Relative accuracy	±0.2mV or 0.05%, whichever is greater

#### Temperature range, °C

Temperature range, °C	-5 to 105
Electrical supply	240V, 50/60Hz, (power adapter included)

#### Meter only

Catalogue No	Description
PHK-581-030E	3 star bench pH meter
PHK-581-040B	4 star bench pH/ISE meter
PHK-620-030V	5 star bench multi-parameter meter

#### Meter kits

Catalogue No	Description
PHK-581-010K	3 star bench pH meter kit
PHK-591-020A	4 star bench pH/ISE meter kit

#### Accessories

Catalogue No	Description
PHK-615-505A	Electrode stand, swing arm
PHK-615-510H	Ross Ultra® combination electrode with glass body
PHK-615-500K	Orion Triode™ pH/ATC electrode (for all models, except multi-parameter)
PHJ-700-010U	pH4.01 buffer solution, 475mL
PHJ-700-020R	pH7.00 buffer solution, 475mL
PHJ-700-030X	pH10.01 buffer solution, 475mL
PHK-615-515U	Automatic temperature compensation probe
PHK-535-565W	pH electrode storage solution, 475mL
PHK-620-505A	Dissolved oxygen probe with 3m cable for pH/DO <sub>2</sub> and multi-parameter models
PHK-620-510H	Conductivity probe with 1.5m cable for pH/conductivity and multi-parameter models