

Multiparameter meters, bench top, Thermo Scientific Orion®, Versa Star™



Thermo
SCIENTIFIC



Technical Specification - Specific

		11611509	11651499
		Conductivity module	DO/RDO module
DO	Range, DO	-	Concentration polarographic: 0mg/L to 90mg/L % Saturation: 0 to 600
	Resolution, DO	-	Concentration polarographic: 0.01, 0.1 % Saturation: 0.1, 1
	Accuracy, DO	-	Concentration polarographic: ±0.2, % Saturation: ±2%
RDO	Range, RDO	-	Concentration: 0mg/L to 50mg/L % Saturation: 0 to 500
	Resolution, RDO	-	Concentration: 0.01, 0.1 % Saturation: 0.1, 1
	Accuracy, RDO	-	Concentration: ±0.1mg/L to 8mg/L, ±0.2mg/L from 8mg/L to 20mg/L, 10% of reading, 20mg/L to 50mg/L % Saturation: ±2 %
Conductivity	Range conductivity	0.001µS to 3000mS	-
	Resolution, conductivity	0.001µS minimum, 4 significant figures minimum	-
	Accuracy, conductivity	0.5% reading ±1 digit (relative)	-
Resistivity	Range	2Ω to 100meg-Ω	-
	Resolution	2Ω-cm	-
	Accuracy	0.5% reading ±1 digit (relative)	-
Salinity	Type	Practical salinity or natural sea water	Automatic when used with conductivity module and probe or manual; 0ppt to 45ppt (factor correction)
	Range, salinity	0.01ppt to 80.0ppt NaCl equivalent; 0.01ppt to 42ppt practical salinity	-
	Resolution, salinity	0.01	-
	Accuracy, salinity	±0.1	-
TDS	Range, TDS	0ppt to 200ppt	-
	Resolution, TDS	4 significant digits	-
	Accuracy, TDS	±0.5% reading ±1 digit (relative)	-
	TDS	Factor range: Linear 0.01 to 10.00	-
Temperature	Range, °C	-5 to 105	0 to 50
	Resolution, °C	0.1	0.1
	Accuracy, °C	±0.1	±0.1
	Calibration, temperature	1 point offset	1 Point (offset)
General	Inputs	8 pin mini DIN	9 pin mini DIN
	Temperature	5°C, 10°C, 15°C, 20°C, 25°C (reference)	-
	Temperature compensation	Linear (0%/°C to 10.0%/°C), nLn, nLFu, EP	-
	Cell constant	0.001 to 199.9 (compatible)	-
	Calibration	Points: up to 6, Editing: yes	Features: water saturated air, air saturated water, manual (Winkler) and zero point
	Barometric pressure	-	450.0mmHg to 850.0mmHg (automatic correction)
	Probe type	-	Polarographic or RDO
	Electrical supply	Universal, a.c adapter, 90-240V a.c.	-

Technical Specification - General

No. of	Modules: 4 maximum
Methods	Up to 10
Memory	2,000 with time and date stamp
Data logging	Functions: manual, AUTO-READ™, timed interval, one timed reading
Data storage method	Editing: delete individual points, group of points or all
Communications	One RS232, two USB ports (one client, one host)
Probe	Ports: 2
Options	BOD calculations: BOD, DOUR and SOUR with PC software



Meter only

Catalogue No	Legacy No	Alt. No	Contents
11601499	-	VSTAR00	Meter, electrode arm with redesigned holder

entry continued