U-50	Series	Spec	ifica	tions
0-50	Selles	SDEC	ıııca	เนบทร

		U-51	U-52	U-52G	U-53	U-53G				
	Measurement temperature			-10 to 55℃						
	Maximum sensor diameter Approx. 96 mm									
	Probe length Approx. 340 mm									
	Cable length	Standard: 2 m, option: 10, 30 m								
Sensor Probe	Mass	Approx. 1,800 g (Approx. 3.97 lbs)								
20.100. 1 .020	Automatic calibration (uses pH4)	•								
	Turbidity wiper	_	_	_	•	•				
	Measurement depth	Max. 30 m								
	Liquid contact part material (liquid end material)  PPS, glass, SUS316L, SUS304, FKM, PEEK,Q, titanium, FEP membrane, POM  Water resistance  JIS protection level 8									
-	Outer dimensions 115 (W) x 66 (D) x 283 (H) mm									
	Mass	Approx. 800 g (Approx. 1.76 lbs)								
	LCD	320 x 240 liquid crystal display with backlight (black and white)								
	Data memory	10,000								
Control Unit	Communication	USB								
Control Unit	Battery	C batteries x 4								
	Water resistance	JIS protection level 7 (when sensor cable is fitted)								
	Battery Life	Approx. 70 hours (without backlight)  Approx. 500 measurements								
	Storage temperature	-10 to 60°C								
	Ambient temperature  Measurement principle	-5 to 45°C								
bH	Range	Glass electrode method								
Two-point calibration	Resolution	pH0 to 14 0.01pH								
Automatic temperature	Repeatability	0.01рH ±0.05рH								
	Accuracy	±0.05PH ±0.1pH								
	Measurement principle	· · · · · · · · · · · · · · · · · · ·								
Oxidation	Range			-2000 mV to +2000 mV						
Reduction Potential	Resolution	1 mV								
ORP)	Repeatability	±5 mV								
	Accuracy	±15 mV								
Dissolved Oxygen (DO)	Measurement principle	Polarographic method								
Salinity conversion	Range			0 to 50.0 mg/L						
(0 to 70 PPT/automatic)	Resolution	0.01 mg/L								
Automatic temperature compensation	Repeatability	±0.1 mg/L								
	Accuracy Measurement principle	0 to 20 mg/L: ±0.2 mg/L 20 to 50 mg/L: ±0.5 mg/L 4 AC electrode method								
Conductivity (COND)										
Auto range		0.000 to 0.999 mS/cm: 0.001								
•Automatic temperature	Resolution	0.0 to 99.9 mS/m: 0.1  0.100 to 0.999 S/m: 0.001  1.00 to 9.99 S/m : 0.01								
conversion (25°C)	Repeatability	±0.05% F.S.								
	Accuracy		*±1% F.	S. (Median of two-point ca	libration)					
	Measurement principle			Conductivity conversion						
Colinity	Range	0 to 70 PPT (permillage)								
Salinity	Resolution	0.1 PPT								
	Repeatability	±1 PPT								
_	Accuracy  Measurement principle	±3 PPT								
Total Dissolved Solid	Range	Conductivity conversion								
(TDS)	Resolution	0 to 100 g/L 0.1% F.S.								
Conversion factor setting	Repeatability	0.1% F.S. ±2 g/L								
	Accuracy	±5 g/L								
	Measurement principle	Conductivity conversion								
Seawater specific	Range	0 to 50 o t								
gravity	Resolution	0.1 σt								
Display σt, σ0, σ15	Repeatability	±2 ot								
_	Accuracy	±5 ot								
	Measurement principle	Thermistor method								
Comporaturo	Range	-10 to 55°C								
Temperature	Resolution Repeatability		*.	0.01℃ ±0.10℃ (at calibration poi	at)					
	Accuracy			inum thermometer sensor						
_	Measurement principle		· · · · · · · · · · · · · · · · · · ·	30° scattering method	Tungsten lamp source	and 90° scattering met				
	Range					000 NTU				
	Resolution	0 to 800 NTU 0 to 1000 NTU 0.1 NTU 0.01 NTU								
Turbidity (TURB)	Repeatability	_	*±5% (Reading) or ± 0.5							
		±5% (Reading) or ±1 NTU whichever is		<b>V</b>		U: ±0.5 NTU				
	Accuracy			TU whichever is greater	10 to 1000 NTU: 3% (Reading)					
						chever is greater				
	Measurement principle				Pressure method					
Nator donth	Range				0 to 30 m					
Water depth	Resolution				0.5 m					
	Repeatability Accuracy				±1% F.S.	±1% F.S. ±0.3 m				
	CAMPICALA		1		±0.3 M					

- \* Battery life based on continuous operation using alkaline C dry batteries when the monitor temperature is over 20°C and the backlight OFF.

  \* Accuracy is measured by calibrating 4 points for turbidity and electrical conductivity and 2 points for all other measurements against standard solution.

  \* Repeartability is measured by the ability to reproduce the results against the standard solution (at 25°C normal pressure condition).