Conductivity + (Series 1700)

Reel Assembly:	Standard	Large	Tape:	
Height	36cm (14")	43cm (17")	Tape	High Tensile Stainless Steel
Depth	21cm (8.25")	23cm (9")	Jacketing	Polyethylene
Width	29cm (11")	34cm (13.5")	Conductors	7 Strand (4 SS316 & 3 Copper)
Weight (Reel Assembly Only)	2.60kg (5.7lb)	4.2kg (9.3lbs)	Markings	Metric or Engineering Scale - Under Jacketing
Plate Size	27cm (10.5")	34cm (13.5")	Width	9.5mm (3/8")
Plate Material	Nylon Fibre Composite	Aluminum	Dog Bone Profile	Dogbone for low friction
Brake	Ergonomic Dial	Ergonomic Dial	Break Strength	125kg (280lbs)
Stainless Ball Bearing	YES	YES	Accuracy	ASME B89.1.7-2009, MIL-STD-45662A, ISO 10012-2003
Hanger	Included on frame	Included on frame		
Tape Guide	Included on frame	Included on frame	Accuracy Compliance	FED GGG-T-106F, EEC Class II, USGG-T-106F
Field Testing	Included Test Bottle	Included Test Bottle	Break Strength	127Kg (280lbs)
Tape Lengths	30m, 100ft	200m, 750ft		
	60m, 200ft	300m, 1000ft		
	100m, 300ft			
	150m, 500ft			
Electronic Panel:			**Link & Probe:**	Snag Free Design
Field Replaceable	Yes (with philips #2 screwdriver)		IP Rating	IP68
Screen	LCD		Weight	125g (4.4oz)
Water resistance	IP67		Length	16mm
Temperature Units	°C, °F, °K, °R		Diameter	16mm(5/8")
Conductivity Unit	µS/cm		Maximum Recommended Probe Temp.	75℃ (170℉)
Battery Indicator	On startup - LCD display and audio indication		Removable	Yes- Field Replaceable
Visual Indications	LED Light and LCD Display		Depth Rating	1.5km (5,000ft)
Audible Indications	Volume adjustable buzzer, Silence button		Break Strain	Yes 70kg (150lbs)
Buttons	Button 1 (Power/hold for Units), Button 2 (Silence/hold to Calibrate)		Probe Wetted Materials	Stainless Steel 316, Delrin, Gold, Buna
			Standard Link Wetted Materials	Stainless Steel 316, Delrin, Polyurethane, Buna
			PFAS Status	Manufactured with wetted materials not known to contain PFAS
Conductivity Accuracy	**Test Condition Range**	**Typical**	**Max Deviation**	**Calibration Solution**
Conditional upon calibrating to all 4 calibration points	10-3206µS/cm	+/-1%	+/-2%	1413µS/cm
	3207-8940µS/cm	+/-1.25%	+/-2%	5000µS/cm
	8941-62340µS/cm	+/-1.25%	+/-2%	12880µS/cm
	62341-250000µS/cm	+/-1.5%	+/-3%	111800µS/cm
Conductivity Repeatability	8 Averages	+/-0.06%	+/-0.2%	
Conductivity Resolution	1µS/cm	Conductivity Response Time	<1 second (After temperature stabilization)	
Recommended Conductivity Reading Range	10-250000µS/cm	Lifetime Conductivity Stability	Dependent on usage. For best results, recalibrate often.	
Total Conductivity Reading Range	10-999999µS/cm	Temperature Compensation	Temperature compensated to be expressed at international standard of 25°C	
Calibration Range Solutions (Factory Calibrated to all 4)	1413µS/cm, 5000µS/cm, 12880µS/cm, 111800µS/cm	Temperature Compensation Coeffecient	2%/°C	
Conductivity Calibration Point Default	Closest to Reading			
Temperature Accuracy Typical	**Test Condition**	**Typical**	**Max**	
Temperature Accuracy Typical	-20°C to +50°C	+/-0.05°C	+/-0.1°C	
	-40°C to +70°C	+/-0.05°C	+/-0.15°C	
	-40°C to +100°C	+/-0.1°C	+/-0.2°C	
	-55°C to +125°C	+/-0.1°C	+/-0.25°C	
	-55°C to +150°C	+/-0.1°C	+/-0.3°C	
Temperature Resolution	0.0078°C	Lifetime Temperature Stability	300 hours continual reading at 150°C	+/-0.03℃
Temperature Reading Range	-55°C to +150°C	Temperature Repeatability	8 Averages	+/-0.0078℃
Temperature compensated range	-55°C to +150°C	Temperature cycling and hysteresis	8 Averages	+/-0.0078℃
Temperature Response Time	10 seconds per degree Celsius			

Temperature sensor meets ASTM E1112 and ISO 80601-2-56. Nist Traceability.