



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	Accuracy Compliance	FED GGG-T-106F, EEC Class II, USGG-T-106F
Tape Guide		Included on frame	Included on frame	Break Strength	127Kg (280lbs)
Field Testing		Included Test Bottle	Included Test Bottle		
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	155mm (6.1")
Temperature Units		°C, °F, °K, °R		Diameter	16mm (5/8")
Conductivity Unit		µS/cm		Tempertaure Range.	(-20° C – 60° C (-5° F – 140° F))
Battery Indicator		On startup - LCD display and audio indication		Removable	Yes- Field Replaceable
Visual Indications		LED Light and LCD Display		Depth Rating	15km (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,	Temperature Compensation	2%/°C	
Conductivity Calibration Point Default		Closest to Reading			
Temperature Accuracy Typical		Test Condition	Typical	Max	
Temperature Accuracy Typical		-20°C to +60°C	+/-0.05°C	+/-0.1°C	
Temperature Resolution		0.0078°C	Lifetime Temperature Stability	300 hours continual reading at 150°C	+/-0.03°C
Temperature compensated range		140° F)	Temperature Repeatability	8 Averages	+/-0.0078°C
Temperature Response Time		10 seconds per degree Celsius	Temperature cycling and hysteresis	8 Averages	+/-0.0078°C

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