



HERON
INSTRUMENTS INC.
For Good Measure

dipper-Temp (Series 1800)



Static & Temperature Specifications

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
Tape Lengths	30m, 100ft	200m, 750ft		
	60m, 200ft	300m, 1000ft		
	100m, 300ft	Inquire about lengths up to 1500m/5000ft		
	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")
Battery Life	400 hours		Maximum Recommended Probe Temp.	-45°C to +135°C/ -49 °F to 266°F
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)		Probe Wetted	Stainless Steel 316, Delrin, Gold, Buna
			Standard Link	Stainless Steel 316, Delrin, Polyurethane, Buna
			PFAS Status	Manufactured with wetted materials not known to contain PFAS
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°C
Temperature Reading Range	-55°C to +150°C	Temperature Repeatability	8 Averages	+/-0.0078°C
Temperature compensated range	-55°C to +150°C	Temperature cycling and hysteresis	8 Averages	+/-0.0078°C
Temperature Response Time	10 seconds per degree Celsius			

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

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