HERON INSTRUMENTS INC.

GoundwaterData Loggers
(dipperLog TOUGH+, 128+, VENTED)

		Groundwater Data Loggers		
	Logger Type	**dipperLog TOUGH+**	**dipperLog 128+**	**dipperLog VENTED+**
Performance	**# of Data Sets**	128,000	128,000	128,000
	Download Speed	21,333.33/min	21,333.33/min	21,333.33/min
	Water Level Accuracy (Typical)	+/- 0.05%FS (0°C to 50°C)	+/- 0.05%FS (0°C to 50°C)	+/- 0.05%FS (0°C to 50°C)
	Temperature Accuracy (Typical)	+/- 0.05°C Temperature Sensor Meets ASTM E1112 and ISO 80601-2-56. NIST Traceability.	+/- 0.05°C Temperature Sensor Meets ASTM E1112 and ISO 80601-2-56. NIST Traceability.	+/- 0.05°C Temperature Sensor Meets ASTM E1112 and ISO 80601-2-56. NIST Traceability.
Operating Features	**Pressure Ranges**	**10m/30ft** (14PSI), **30m/100ft** (42PSI), **60m/200ft** (85PSI), **120m/400ft** (170PSI)	**10m/30ft** (14PSI), **30m/100ft** (42PSI), **60m/200ft** (85PSI), **120m/400ft** (170PSI)	**10m/30ft** (14PSI), **30m/100ft** (42PSI), **60m/200ft** (85PSI), **120m/400ft** (170PSI)
	Overpressure Rating	2X Factory Calibrated Range	2X Factory Calibrated Range	2X Factory Calibrated Range
	Operating Temperature	-20°C to 80°C (-5°F to 175°F)	-20°C to 80°C (-5°F to 175°F)	-20°C to 80°C (-5°F to 175°F)
	Pressure Resolution %FS	0.01	0.01	0.01
	Battery Life (Depending On Usage)	Up to 5,000,000 Readings Up to 15 Years	Up to 5,000,000 Readings Up to 15 Years	Up to 5,000,000 Readings Up to 15 Years
	Warranty	3 Years	3 Years	3 Years
Physical Characteristics	**Wetted Material**	Titanium, Delrin®, Teflon™	316 SS, Delrin®, Buna-N	316 SS, Delrin®, Buna-N
	O-Ring (Primary)	Teflon™	Buna-N	Buna-N
	O-Ring (Backup)	Viton	Viton	Viton
	Transducer	Titanium Piezoresistive Silicon	316 SS Piezoresistive Silicon	316 SS Piezoresistive Silicon
	Length	145mm / 5.7"	145mm / 5.7"	145mm / 5.7"
	Diameter	22mm / 0.87"	22mm / 0.87"	22mm / 0.87"
	Weight	150g	170g	170g
	Deployment Options	Suspended, Direct Read, Reel	Suspended, Direct Read, Reel	Direct Read

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Barometric Loggers / Pressure Transmitters
(barLog, 4-20mA Pressure Transmitter)

Barometric Loggers	Pressure Transmitters	Logger Type	
barLog	**4-20mA Pressure Transmitter**		
128,000	N/A	**# of Data Sets**	Performance
21,333.33/min	N/A	**Download speed**	
+/- 0.05%FS (0°C to 50°C)	+/- 0.05%FS (0°C to 50°C)	**Water Level Accuracy** (Typical)	
+/- 0.05°C Temperature Sensor Meets ASTM E1112 and ISO 80601-2-56. NIST Traceability.	N/A	**Temperature Accuracy** (Typical)	
N/A	**10m/30ft** (14PSI), **30m/100ft** (42PSI), **60m/200ft** (85PSI), **120m/400ft** (170PSI)	**Pressure Ranges**	Operating Features
2X Factory Calibrated Range	2X Factory Calibrated Range	**Overpressure Rating**	
-20°C to 80°C (-5°F to 175°F)	-20°C to 80°C (-5°F to 175°F)	**Operating Temperature**	
0.01	N/A	**Pressure Resolution %FS**	
Up to 5,000,000 Readings Up to 15 Years	N/A	**Battery Life** (depending on usage)	
3 Years	3 Years	**Warrany**	
N/A	316 SS, Delrin®, Buna-N	**Watted Material**	Physical Characteristics
Buna-N	Buna-N	**O-Ring (Primary)**	
Viton	Viton	**O-Ring (Backup)**	
316 SS Piezoresistive Silicon	316 SS Piezoresistive Silicon	**Transducer**	
145mm / 5.7"	145mm / 5.7"	**Length**	
22mm / 0.87"	22mm / 0.87"	**Diameter**	
170g	170g	**Weight**	
N/A	N/A	**Deployment Options**	

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