

세 부 규 격 서

번호	1	품명	Flow Tracker 2	신청학과		토 목 과	
		설치장소	공학관 지하 1층 AB0101호	수량	1	단위	대

1. 사양

Product Specifications

Part I: Probe

Velocity Range	±0.001 to 4.0 m/s (0.003 to 13 ft/s)
Velocity Resolution	0.0001 m/s (0.0003 ft/s)
Velocity Accuracy	±1% of measured velocity, 0.25 cm/s
Acoustic Frequency	10.0 MHz
Sampling Volume Location	10 cm (3.93 in) from the center transducer
Minimum Depth	0.02 m (0.79 in)
Temperature Sensor	Resolution: 0.01° C, Accuracy: 0.1° C
Tilt Sensor	Accuracy: 1.0°
Communication Protocol	RS-232
Operating/Storage Temperature	-20° C to 40° C (-4° F to 104° F)
Physical Specifications	
-Probe Head Dimensions	(L)13.3 cm (5.22 in); (W) 6.1 cm (2.39 in); (H) 2.3 cm (0.90 in)
-Standard Cable Length	1.5 m (4.92 ft)
-Weight in Air	0.90 kg (1.98 lbs)
-Weight in Water	0.30 kg (0.66 lbs)

Part II: Handheld

Power	
-Input Battery Voltage	8 - 12 VDC
-Power Supply	8 X AA Batteries
-Battery Life	15 hours continuous use, typical settings ¹
-Power Consumption	1 W (Average)
GPS	
-H. Position Accuracy	Up to 2.5 m (8.2 ft) nominal ²
-Frequency	L1 (1.575 MHz), SBAS compensation (WAAS, EGNOS, MSAS, GAGAN)
LCD	
-Resolution	320 X 240 TFT Transmissive
Bluetooth	
	Class 2, Range = 10 m (33 ft) nominal
USB	
	Micro USB, IP-67
Probe Interface	
-Battery Power to Probe	8 - 12 VDC
-Data Transfer	RS-232
-Data Storage	16 GB. Up to 10k discharge measurements. Up to 10 million velocity samples
Operating Temperature	-20° to 40° C (-4° F to 104° F)
Storage Temperature	-30° to 70° C (-22° F to 158° F) ³
Physical Specifications	
-Waterproof Rating	IP-67 (1m submersible)
-Handheld Dimensions	(L)10.4 cm (4.1 in); (W) 6.4 cm (2.5 in); (H) 23.7cm (9.3 in)
-Weight in Air	0.75 kg (1.65 lbs)
-Weight in Water	-0.25 kg (-0.55 lbs)

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번호	2	품명	REDBACK VERTICAL AXIS TYPE 'AA' CURRENT	신청학과		토 목 과	
		설치장소	공학관 지하 1층 AB0101호	수량	1	단위	대

1. 사양

1. REDBACK BERTICAL AXIS TYPE 'AA'CURRENT
 - 1) MAGNETIC TEED SWITCH ASSEMBLY
 - 2) TUNGSTEN CARBIDE TIPPED SPINDLE ASSEMBLY
 - 3) RANGE : 0.025 m/sec to 8 m/sec
 - 4) Accuracy : +1 %

2. TSR/1.2-BM TOP SET WADING ROD 1.2 METERS

3. PVD 100 POINT VELOCITY DISPLAY
(CURRENT METER COUNTER)