750 Area Velocity Module – Specifications		
Size (HxWxD):	4.0 v E.7 v 2.0 in /12.4 v 14 E v E.1 cm	
Weight:	4.9 x 5.7 x 2.0 in (12.4 x 14.5 x 5.1 cm) 0.9 lbs (0.4 kg)	
Material:	· 0/	
111010011011	Polystyrene	
Enclosure:	NEMA 4X, 6 IP67	
Power:	9 to 14V DC (provided by 6700 Series Sampler)	
Program Memory:	Non-volatile, programmable flash; can be field updated through sampler	
Operating Temperature:	32° to 120°F (0° to 49°C)	
Storage Temperature:	0° to 140°F (-18° to 60°C)	
Level-to-Area Conversions		
Channel shapes:	Round, U-shaped, rectangular, trapezoidal	
Data points:	Four sets of 50 level-area points	
Level-to-Flow Rate Conversions		
Weirs:	V-notch, rectangular, Cipolletti	
Flumes:	Parshall, Palmer-Bowlus, Leopold-Lagco, Trapezoidal, H, HS, HL	
Manning Formula:	Round, U-channel, rectangular, trapezoidal	
Data Points:	Four sets of 50 level-flow rate points	
Equation:	Two-term polynomial	
•	- Standard and Extended Range	
Size (LxWxH):	6.6 x 1.6 x 1.2 inches (16.8 x 4.1 x 3.0 cm)	
Weight, incl. cable:	2.1 lbs (0.96 kg) for standard range probe with 25 foot cable; 3.9 lbs (1.8 kg)	
weight, men cable.	for extended range probe with 50 ft cable.	
Materials:	Polybutadiene-based polyurethane, stainless steel; PVC and CPVC cable	
Operating	32° to 160°F (0° to 71°C)	
Temperature	32 (0 100 ) (0 (0 /1 C)	
Range:		
Compensated	32° to 100°F (0° to 38°C)	
Temperature	32 to 100 1 (0 to 30 c)	
Range:		
Velocity Measurement		
Method:	Doppler Ultrasonic, 500 kHz	
Velocity range:	-5 to +20 ft/s (-1.5 to 6.1 m/s)	
Minimum depth:	0.25 ft (75mm), typical	
Level Measurement	one in the state of the state o	
Method:	Submerged pressure transducer	
Standard range	Measurement range 0.05 to 10 ft (0.015 to 3.05 m); max level 20 ft (6.1 m)	
probe:		
Extended range probe:	Measurement range 0.05 to 30 ft (0.015 to 9.1 m); max level 40 ft (12.2 m)	
Level Accuracy - Standard Range Probe, for indicated level range. Includes non-linearity,		
repeatability, and hy	steresis at 25°C (77°F)	
0.033 to 5.0 ft (0.01 to 1.52m):	±0.008 ft/ft (±0.008 m/m)	
>5.0 ft (>1.52 m):	±0.012 ft/ft (±0.012 m/m)	
	nded Range Probe, for indicated level range. Includes non-linearity,	
- Dover Accordey Exte	mass. Tamber 1 of the managed level ranger mediates non-infeating,	

repeatability, and hy	steresis at 25°C (77°F)
0.05 to 15ft (0.015	±0.03 ft (±0.009 m)
to 4.57m):	
0.05 to 21ft (0.015	±0.09 ft (±0.027 m)
to 6.4m):	
0.05 to 30ft (0.015	±0.3 ft (±0.09 m)
to 9.14m):	
Area Velocity Sensor	– Low Profile
Size (LxWxH):	6 x 1.3 x 0.75 inches (15.2 x 3.3 x 1.9 cm)
Weight, incl. cable:	2.1 lbs (0.96 kg)
Materials:	Epoxy, CPVC, stainless steel; PVC and CPVC cable
Operating	32° to 122°F (0° to 50°C)
Temperature	
Range:	
Cable length:	25 ft (8m) standard. Up to 75 ft (22.8 m) with optional extension. Up to 1000
	ft (300 m) with optional Quick Disconnect Box.
Velocity Measureme	nt
Method:	Doppler Ultrasonic, 500 kHz
Velocity range:	-5 to +20 ft/s (-1.5 to 6.1 m/s)
Minimum depth:	0.08 ft (25mm), typical
Level Measurement	
Method:	Submerged pressure transducer
Range:	0.033 to 10 ft (0.01 to 3.05 m); max allowable level 20 ft (6.1 m)
Level Accuracy:	Depths from 0.033 to 5.0 ft (0.01 to 1.52m): ±0.008 ft/ft (±0.008 m/m); Depth
	>5.0 ft (>1.52 m): ±0.012 ft/ft (±0.012 m/m). Accuracy per foot of change
	from calibrated depth @ 77°F (25°C). Includes non-linearity and hysteresis.