Fluid Conditions		
Measured fluid	Homogenous liquids with Newtonian flow profiles (sludges, slurries, sewage, wastewater, and other fluids containing suspended particles)	
State of flow	Axis-symmetric flow in pipe filled with fluid	
Fluid type	Liquids containing suspended particles of at least 35 ppm at 40 microns at 0.2% density of undissolved solids or air bubbles	
Measurable fluid temperature range	-40 to 300°F (-40 to 149 °C)	
Velocity range	0.1 to 50 fps (0.04 to 15.25 mps)	
Flow sensitivity	0.05 fps (0.02 mps)	
Piping conditions		
Pipe diameter range	Velocity indication	1 to 300" (25 to 7620 mm) diameter
	Volumetric indication	1 to 100" (25 to 2540 mm) diameter
Pipe material	Including, but not limited to, carbon steel, stainless steel, ductile iron, cast iron, FRP, PVC, fiberglass, Teflon®, and most concrete-lined or coated pipes	
Pipe linings	Including, but not limited to, tar, epoxy, mortar, rubber, Teflon®, PVC, and glass	

Measurement Accuracy	
Accuracy Note: Accuracy is a function of flow profile.	Typically ±1% to ±3% of full scale, based on straight run of piping of 20 diameters upstream and 10 diameters downstream
	±3% to ±5% of full scale based on straight run of 10 diameters upstream and 5 diameters downstream
	±5% to ±10% of full scale based on straight run of 5 diameters upstream and 3 diameters downstream
Linearity	±0.5% of full scale
Repeatability	±0.1% of full scale
Response time	1 second or less