

# A1 METER SPECIFICATIONS

A1 SERIES

	ALUMINUM			NYLON	
	A025 (Low Flow)	A100 (1 inch)	A200 (2 inch)	N025 (Low Flow)	N100 (1 inch)
<b>Design Type:</b>	Paddlewheel	Turbine	Turbine	Paddlewheel	Turbine
<b>Housing Material:</b>	Aluminum	Aluminum	Aluminum	Nylon	Nylon
<b>Fitting Size:</b>	1 inch	1 inch	2 inch	1 inch	1 inch
<b>Fitting Type:</b>	NPT, ISO or BSPP(female)	NPT, ISO or BSPP(female)	NPT or ISO (female)	NPT or ISO (female)	NPT or ISO (female)
<b>Flow Range (GPM):</b>	0.3 - 3 GPM	3 - 50 GPM	30 - 300 GPM	0.3 - 3 GPM	3 - 50 GPM
<b>Flow Range (LPM):</b>	1 - 11 LPM	11 - 190 LPM	114 - 1,135 LPM	1 - 11 LPM	11 - 190 LPM
<b>Accuracy:</b>	N/A *	± 1.5% of reading	± 1.5% of reading	N/A *	± 1.5% of reading
<b>Repeatability:</b>	± 1%	± 0.2%	± 0.2%	± 1%	± 0.2%
<b>Pressure Rating:</b>	300 PSI / 21 BAR	300 PSI / 21 BAR	300 PSI / 21 BAR	150 PSI / 10.2 BAR	150 PSI / 10.2 BAR
<b>Operating Temperature Range:</b>	-40° F to +250° F (-40° C to +121° C)	-40° F to +250° F (-40° C to +121° C)	-40° F to +250° F (-40° C to +121° C)	-40° F to +250° F (-40° C to +121° C)	-40° F to +250° F (-40° C to +121° C)
<b>with Computer:</b>	0° F to +140° F (-18° C to +60° C)	0° F to +140° F (-18° C to +60° C)	0° F to +140° F (-18° C to +60° C)	0° F to +140° F (-18° C to +60° C)	0° F to +140° F (-18° C to +60° C)
<b>Wetted Material - Housing:</b>	Aluminum	Aluminum	Aluminum	Nylon	Nylon
<b>Bearings:</b>	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
<b>Shaft:</b>	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide	Tungsten Carbide
<b>Rotor:</b>	Nylon	Nylon	Nylon	Nylon	Nylon
<b>Signal Generators:</b>	Ferrite	Ferrite	Ferrite	Ferrite	Ferrite
<b>Rings:</b>	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel	316 Stainless Steel
<b>Typical K-Factor:</b>	2200	730	72	2200	730
<b>Frequency Range:</b>	11 - 110 Hz @ 0.3 - 3 GPM	36.5 - 608.3 Hz @ 3 - 50 GPM	36 - 360 Hz @ 30 - 300 GPM	11 - 110 Hz @ 0.3 - 3 GPM	36.5 - 608.3 Hz @ 3 - 50 GPM
<b>Recommended Strainer Size:</b>	55 mesh	28 mesh	28 mesh	55 mesh	28 mesh
<b>Shipping Weight:</b>	1.35 lbs. (0.61 kg)	1.35 lbs. (0.61 kg)	3.0 lbs. (1.36 kg)	1.0 lbs. (0.5 kg)	1.0 lbs. (0.5 kg)
<b>Local Display:</b>	09 Computer (See page 63)	09 Computer (See page 63)	09 Computer (See page 63)	09 Computer (See page 63)	09 Computer (See page 63)

\* Accuracy can vary up to ± 5% depending on installation and fluid type.  
Field Calibration is recommended for best accuracy.