

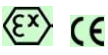
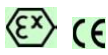
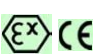















	<b>Coriolis Flow Meter</b>	<b>Coriolis Flow Meter</b>	<b>Bi rotor PD flow meter</b>	<b>Rotary Vane PD flow meter</b>	<b>Ultrasonic gas flow meter</b>
<b>Mass Flow</b>	√	√	-	-	-
<b>Air/Gases</b>	√	√	-	-	√
<b>Steam</b>	-	-	-	-	-
<b>Liquids</b>	√	√	√	√	-
<b>Model/Series</b>	<b>F1001-M/S</b>	<b>F1001-U</b>	<b>F2001</b>	<b>F2001..R</b>	<b>F3001</b>
<b>Line Size Compatibility</b>	3mm~250mm (0.1" ~ 10")	15mm~200mm (1/2" ~ 8")	6 ~ 400 mm ( 1/4-16")	25 ~ 400 mm ( 1-16")	1" ~ 12"( 25 ~ 300 mm)
<b>Key Feature</b>	<ul style="list-style-type: none"> <li>• Directly measure mass flow of liquid</li> <li>• Suitable for aggressive and contaminated media</li> <li>• Free of dead spots</li> </ul> ISO 17025 certificate	<ul style="list-style-type: none"> <li>• Directly measure mass flow of liquid</li> <li>• Suitable for aggressive and contaminated media</li> <li>• Free of dead spots</li> </ul> ISO 17025 certificate	<ul style="list-style-type: none"> <li>• High pressure flow</li> <li>• Reverse flow</li> <li>• Low operating noise</li> <li>• Constant K-factor</li> <li>• Low pressure drop</li> </ul> ISO 17025 certificate	<ul style="list-style-type: none"> <li>• High pressure flow</li> <li>• Reverse flow</li> <li>• Low operating noise</li> <li>• Constant K-factor</li> <li>• Low pressure drop</li> </ul> ISO 17025 certificate	<ul style="list-style-type: none"> <li>• No pressure drop</li> <li>• Large turndown ratio</li> <li>• High accuracy</li> <li>• Oil/Water resistance tech</li> <li>• High Pressure</li> </ul> ISO 17025 certificate
<b>Flow Element</b> Flow Range Turndown Ratio Accuracy Process Temperature Operating Pressure Connection	0 ~ 1500 ton/hr ±0.1% of Reading 0 ~ +300 °C High temp up to 300C 930 psig (6.8MPa) npt, flanges,diary,tri-clamp	0 ~ 1200 ton/hr ±0.1% of Reading 0 ~ +300 °C High temp up to 300C 930 psig (6.8MPa) npt, flanges,diary,tri-clamp	0.005 ~ 1000 LPM(GPD&HPD) 55 ~ 27,000 LPM (BRPD) ±0.1% (BRPD) 5 ~ 1,000,000 cSt 0 ~ +250 °C 64 Bar threads, flanges, etc	0.005 ~ 1000 LPM(GPD&HPD) 55 ~ 27,000 LPM (BRPD) ±0.1% (BRPD) 5 ~ 1,000,000 cSt 0 ~ +250 °C 64 Bar threads, flanges, etc	0.01 ~ +/- 32 m/s. ±0.5% of reading -20 ~ +50 °C No need to monitor pressure Clam- On sensors No wetted material needed
<b>Transmitter</b> outputs ( standard ) outputs ( optional ) Integral or Remote Protection/Ratings Power Supply	0-5 VDC & 4-20 mA, Pulse, RS485, Hart, Modbus Integral/Remote IP 65-68 NEMA 4,, 24 VDC, 15%	0-5 VDC & 4-20 mA, Pulse, RS485, Hart, Modbus Integral/Remote IP 65-68 NEMA 4,, 24 VDC, 15%	8-30 VDC & 4-20 mA, Pulse RS485/232, MODBUS Integral/Remote IP 65, aluminum AlMgSiPb 14-30 VDC	8-30 VDC & 4-20 mA, Pulse RS485/232, MODBUS Integral/Remote IP 65, aluminum AlMgSiPb 14-30 VDC	4-20 mA, Pulse RS485( Modbus) Integral IP65 / IP67 24VDC
<b>Approvals</b>	class1; division 1; group D 	II 2GD EExd IIC T2 or T3 or T4(Pending) 	II 2 G EEx ia IIC T4, BVS 03 ATEX E 205 	II 2 G EEx ia IIC T4, BVS 03 ATEX E 205 	Exd IIB T4/ class1; division 1; group D (pending) 
<b>Industries &amp; Applications</b>	Fuel consumption Hydraulics Petrochemicals Polyurethane Food industry Pharmaceutical Industries Custody Transfer liquids	Fuel consumption Hydraulics Petrochemicals Polyurethane Food industry Pharmaceutical Industries Custody Transfer liquids	Polyurethane & polymers Isocyanate Sealing materials Petrochemical products Light,heavy or crude oils Glues, Abrasive fluids	Polyurethane & polymers Isocyanate Sealing materials Petrochemical products Fats Light,heavy or crude oils Glues, Paints Abrasive fluids	<ul style="list-style-type: none"> <li>• Onshore exploration</li> <li>• Transmission</li> <li>• Underground gas storage</li> <li>• Distribution</li> <li>• Large gas intakes,</li> </ul>

					
	Vortex Flow meter	Magnetic flow meter	Thermal mass flow meter	Turbine Flow Meter	Variable Area Flow Meter
<b>Mass Flow</b>	✓	-	✓	-	✓
<b>Air/Gases</b>	✓	-	✓	✓	✓
<b>Steam</b>	✓	-	-	-	✓
<b>Liquids</b>	✓	✓	-	✓	✓
<b>Model/Series</b>	<b>F4001</b>	<b>F5001</b>	<b>F6001</b>	<b>F7001</b>	<b>F8001</b>
<b>Line Size Compatibility</b>	0.5" ~ 12" ( 15 ~ 300 mm)	6 ~ 2000 mm (1/4" ~ 80" )	25~1200mm(1"~ 48")	15 ~ 250 mm (1/2" ~ 10")	0.5" ~ 4" ( 15 ~ 100 mm)
<b>Key Feature</b>	<ul style="list-style-type: none"> <li>• integral mass flow</li> <li>• Ideal for steam application</li> <li>• user selectable</li> <li>ISO 17025 certificate</li> </ul>	<ul style="list-style-type: none"> <li>• For conductive liquids</li> <li>• Larger sizes up to 2000mm</li> <li>• Both AC or DC available</li> <li>ISO 17025 certificate</li> </ul>	<ul style="list-style-type: none"> <li>• Directly measure mass flow of gas</li> <li>• Measure higher velocity than other thermal meter - up to 203 m/s</li> <li>ISO 17025 certificate</li> </ul>	<ul style="list-style-type: none"> <li>• Temperature range from -273 up to +350°C</li> <li>• Low flows designed with sapphire bearings</li> <li>• Pressures up to 4000 barg</li> <li>ISO 17025 certificate</li> </ul>	<ul style="list-style-type: none"> <li>• Pressure drop 0.07~0.7barg</li> <li>• for gas&amp; steam application</li> <li>• consistent overall length</li> <li>ISO 17025 certificate</li> </ul>
<b>Flow Element</b> Flow Range Turndown Ratio Accuracy Process Temperature Operating Pressure Connection	Steam - 6.4 to 267,000 Kg/Hr Gas - 3 to 180,000 M3/Hr Liquid - 6 to 5900 LPM liquid +/- 0.7% Rdg gas/steam +/- 1.0% Rdg wafer, flange or insertion -20 ~ +300 Dec. C(Optional) 68 Kg/cm2(Max.)	0.01 ~ +/- 12 m/s. ± 0.2%, ± 0.5% Reading 180 °C 350 Bar PTFE, FEP, Polyurethane, Neoprene Liner - 316 SS, Has and B/C, Ti, Ta, Platinum	0 ~ 203 m/s Over 100:1 ±1% of Reading ± 0.2% of Full Scale 0 ~ +455 °C 40 bar Threaded, Flanged,	0.03 ~ 500 LPM ±1% -275 ~ +350 °C 400 bar 1.4305, (316 Ti) Wheel: 1.4122,(1.4460); Flanged, screw and clamp	Liquids 0.01 ~ 60.000 LPM Gases 0.03 ~ 1500 M3/Hr 20:01 +/- 1% of reading 15m ~ 20 mm < 30 CP 80 ~ +200 °C (Standard) 40 bar ANSI, JIS, DIN etc.
<b>Transmitter</b> outputs ( standard ) outputs ( optional ) Integral or Remote Mounting Digital Display Option Enclosure Protection/Ratings Power Supply	4-20 mA (2 wire) RS485, HART, MODBUS Integral/Remote ◆ IP 65 aluminum 11 ~ 36 VDC(2 wire 4-20 mA)	4-20 mA & Scale pulse Hart, Modbus, RS485 Integral/Remote ◆ IP65 / IP67 / IP68 / Ex proof 24VDC, 90-260 VAC	0-5 VDC & 4-20 mA, Pulse RS232, RS485, Hart, Modbus Integral/Remote ◆ (std) NEMA 4, Class 1, Div 1, Groups B, C, & D 115 VAC, 230 VAC, 24 VDC	8-30 VDC & 4-20 mA, Pulse Integral/Remote ◆ IP 65, aluminum AlMgSiPb 14-30 VDC	4-20 mA and scale pulse; Key pad for setup integra ◆ IP 65 aluminum 11 ~ 36VDC( 2 wire 4-20 mA)
<b>Approvals</b>	Exp Proof, Exd IIB T4 Intrinsically Safe, Exib IIC T4 	II 2 G EEx ia IIC T4, BVS 03 ATEX E 205  	II 2GD EExd IIC T2 or T3 or T4  	II 2 G EEx ia IIC T4, BVS 03 ATEX E 205  	Ex ex ia IIC T5 Ex d IIB T6 
<b>Industries &amp; Applications</b>	Dirty gas application Wet gas application Liquids Saturated steam Superheated steam	Liquid Slurries Water & Wastewater Corrosive Liquids Chemical Processing Cellulose/cosmetics Food	Biogas (waste water) combustion Controls Chemical processing gases Stack gases Natural gas/Fuel gases Refinery gases Automotive industries Compressed air	Fuel oil Solvents Di water Pharmaceuticals Liquefied gas Food Industry Automotive Refineries High pressure (4000 barg)	Seal Automotive Sampling Systems Analyzers Refrigeration Blanketing Systems Temperature Controls Water Filtration