



Advanced Test Equipment Corp.
www.atecorp.com 800-404-ATEC (2832)



FLEXIM AMERICAS Corporation



Product Catalogue



Flow Computers



F/G704 Stainless Steel

- Any liquid / most gases / BTU / HPI/ Concentration
- Single/dual channel
- 100-230AC / 18-36VDC / low draw 12VDC for solar power
- Outputs: 4-20mA, frequency, binary, MODBUS, HART, BACnet, Data logger
- Inputs: PT100/PT1000 ohm RTD, 4-20mA
- Hazardous area approvals: FM C1Div2



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- Hazardous area approvals: FM C1Div2



5X07

- Liquid flow only (mostly water)
- Single/dual channel (Q and M transducers only)
- 100-230AC / 18-36VDC
- Outputs: 4-20mA (for flow rate), binary (for totalizer and/or alarms)
- Special semiconductor version available



F808

- Any liquid, also WaveInjector compatible for -276F – 752F
- Single channel
- 100-230AC / 18-36VDC
- Outputs: single 4-20mA and single binary, MODBUS
- Hazardous area approvals: FM C1 Div 1 (includes C1 Div 2 as well)
- Currently only compatible with FSQ/FSP/FSM transducers (see next page)



F/G601

- Any liquid / most gases / BTU
- Dual channel
- Battery powered for up to 17 hours
- General purpose only (requires hot work permit in hazardous areas)
- WaveInjector compatible, FLEXIM wall thickness gauge compatible



F/G608

- Any liquid / most gases
- Dual channel
- Hazardous area approval: FM Class 1 Div 2
- Battery powered for up to 17 hours
- WaveInjector compatible

Liquid Transducers



FSS

- Available in general purpose / FMC1Div2
- Standard temp. version: -40F – 266F
- Permanent or portable
- Pipe diameter range: 0.25" – 2" (ANY wall thickness and pipe material)

FSQ

- Available in general purpose / FMC1Div2 / FMC1Div1
- Standard temp. version: -40F – 266F, high temp. version: -40F – 392F
- Permanent / portable and WavelInjector compatible
- Pipe diameter range: 0.4" – 6" (ANY wall thickness and pipe material)
- Special semiconductor version available

FSP

- Available in general purpose / FMC1Div2 / FMC1Div1 / IP68 (submersible in Non FM only)
- Standard temp. version: -40F – 266F, high temp. version: -40F – 392F
- Permanent or portable and WavelInjector compatible
- Pipe diameter range: 1.0" – 16" (ANY wall thickness and pipe material)

FSM

- Available in general purpose / FMC1Div2 / FMC1Div1 / IP68 (submersible in Non FM only)
- Standard temp. version: -40F – 266F, high temp. version: -40F – 392F
- Permanent or portable and WavelInjector compatible
- Pipe diameter range: 4" – 24" (ANY wall thickness and pipe material)
- The most common model, with the most useful diameter range

FSK

- Available in general purpose / FMC1Div2 / IP68 (submersible in Non FM only)
- Standard temp. version: -40F – 266F
- Permanent or portable and WavelInjector compatible
- Pipe diameter range: 4" – 142" (ANY wall thickness and pipe material)
- Especially useful on viscous and otherwise difficult to measure liquids

FSG

- Available in general purpose / FMC1Div2 / IP68 (submersible in Non FM only)
- Standard temp. version: -40F – 266F,
- Permanent or portable and WavelInjector compatible
- Pipe diameter range: 12" – 255" (ANY wall thickness and pipe material)
- Especially useful on viscous and otherwise difficult to measure liquids

Gas Transducers



GLQ

- Available in general purpose / FMC1Div2
- Temperature range: -40F – 338F
- Permanent or portable
- Pipe diameter range: 0.25" – 2"
- Wall thickness range: 0.02 to 0.04 "

GLP

- Available in general purpose / FMC1Div2 / IP68 (submersible/no hazardous area)
- Temperature range: -40F – 338F
- Permanent or portable
- Pipe diameter range: 0.4" – 4"
- Wall thickness range: 0.04 to 0.12 "

GLM

- Available in general purpose / FMC1Div2 / IP68 (submersible/no hazardous area)
- Temperature range: -40F – 338F
- Permanent or portable
- Pipe diameter range: 1.0" – 18"
- Wall thickness range: 0.08 to 0.2 "

GLK

- Available in general purpose / FMC1Div2 / IP68 (submersible/no hazardous area)
- Temperature range: -40F – 338F
- Permanent or portable
- Pipe diameter range: 2" – 48"
- Wall thickness range: 0.16 to 0.35 "

GLH

- Available in general purpose / FMC1Div2 / IP68 (submersible/no hazardous area)
- Temperature range: -40F – 338F
- Permanent or portable
- Pipe diameter range: 6" – 60"
- Wall thickness range: 0.28 to 0.59 "

GLG

- Available in general purpose / FMC1Div2 / IP68 (submersible/no hazardous area)
- Temperature range: -40F – 338F
- Permanent or portable
- Pipe diameter range: 10" – 200"
- Wall thickness range: 0.43 to 1.0 "

Permanent Mounting Hardware



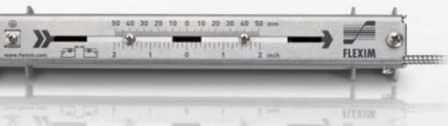
SS Straps

- Best for HVAC applications where insulation integrity is key
- Fits under most insulation
- Not recommended for grade-level pipes where crews and machinery can affect installation
 - P/N: US-MOU.SKX (X = 1 - 5) Quick Release Strap
 - P/N US-MOU.SBKX (X = 2 - 6) Solid Bands



PermaLock

- Most common transducer mounting system
- Very robust, keeps transducers aligned and protected
- P/N: MOU-PLM-DS-SSKX (X = 1 - 5)
 - SSKX (X = 1 - 5) Quick Release strap
 - SBKX (X = 2 - 6) Solid Bands
 - -PLK- for K/G transducers
 - -PLQ for Q transducers
 - -DS- for direct/reflect mounting
 - -RS- for reflect only mounting



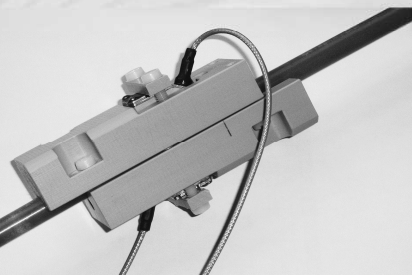
PermaRail

- For liquid or Gas transducers
- Spring loaded for vibration absorption
- Ruler is laser-etched into surface for easy transducer distance measurement
- P/N: MOU-VLM-DS-SSKX
 - SSKX (X = 1 - 5) Quick Release strap
 - SBKX (X = 2 - 6) Solid Bands
 - -VLQ- for Q transducers
 - -VLM- for P and M transducers
 - -VLK- for K and G transducers



PermaFix

- Designed specifically for use with FM C1 Div 1 rated transducers
- SS304 robust design



Semiconductor

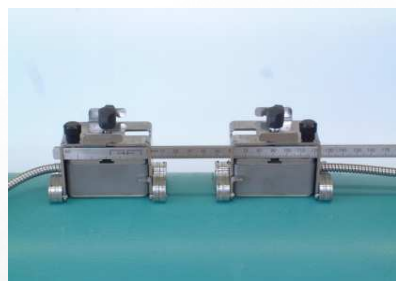
- Liquids: diH2O, various acids, CIP slurries
- Specifically designed for non-rigid, non-metal tubing
- Tubing OD: 0.5", 0.75", 1.0", 1.25", 1.5"
- No metal parts exposed, perfect for clean rooms
- Designed for use in semiconductor wafer manufacturing tools
- Able to measure low and pulsating flows

Portable Mounting Hardware



Chain Mounts

- Most versatile transducer mounting system for portable applications
- For easy use with Q/P/M type transducers
- Suitable for Pipe sizes of up to 24" in outer diameter
- P/N: US-601.CM.MQ1



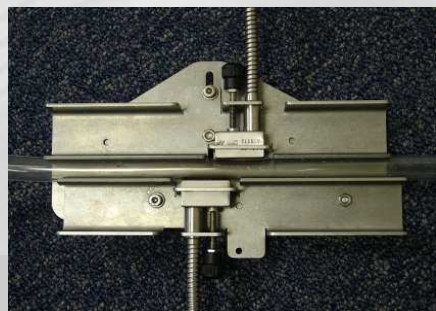
Magnetic Shoes

- For use with M/P Transducers use p/n: 671033-4 for shoes: and 671033-6 for magnets
- For use with Q Transducers use p/n: 671033-3 for shoes: and 671033-5 for magnets
- Temperature limitation of magnets: 212F
- Allows very quick transducer installation for temporary installation
- For non-magnetic pipes add p/n 671038-6 for mounting chains



VarioFix

- P/N for rails: 751034-2
- P/N for magnets: 751033-9
- Temperature limitation of magnets: 212F
- Perfect for K, H, and G transducers on larger pipe diameters as well as gas installations
- Includes chains, tensioners and mounting clamps



VarioFixS

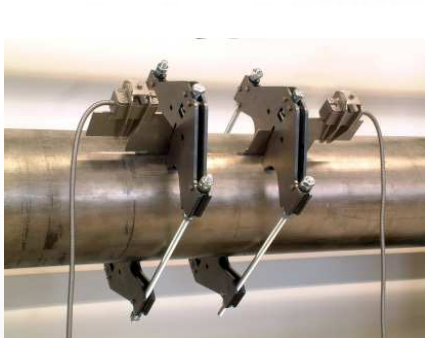
- P/N: 751037-1
- Specifically designed for S transducers
- SS304 Construction
- For OD 0.25" – 0.5"

WaveInjector Mounting Fixtures



WI400S

- Pipe diameter range: 1.0" – 5"
- For use with FSQ/FSP/FSM transducers
- P/N: WI-400Q-DS-T012-CM



WI400Q

- Pipe diameter range: 3.1" – 9"
- For use with FSQ/FSP/FSM/FSK transducers
- P/N: WI-400M-DM-T023-CM (for FSM)
- P/N: WI-400K-DL-T023-CM (for FSK/FSG)



WI400M

- Pipe diameter range: 3.1" – 15"
- For use with FSP/FSM/FSK transducers
- P/N: WI-400M-DL-T038-CM (for FSM)
- P/N: WI-400K-DL-T038-CM (for FSK/FSG)



WI400L

- Pipe diameter range: 8" – 24"
- For use with FSK/FSG transducers
- P/N: WI-400K-DV-C060-CM



WI400V

- Pipe diameter range: 12" – 42"
- For use with FSK/FSG transducers
- P/N: WI-400K-DV-C100-CM

Temperature Sensors



Insertion RTD

- Available lengths: 2.5", 4", 6", 9" as well as custom sizes
- Pt1000, 4-wire
- Matched pairs include N.I.S.T. traceable certificate of calibration to within 0.03F (ALSO AVAILABLE AS SINGLES)
- P/N: US-TEMP.PX where X = 02.5, 04, 06, 09 or 0X for custom



Thermowells

- Perfect for use with above mentioned insertion RTDs
- 316SS, 1/2" NPT, internal ID: 0.260" for 0.250" sensor
- Sold as singles so qty 2 for a matched pair of RTDs is needed
- P/N: US-TWELL.X where X = 2.5, 04, 6, 9 to match RTD



Portable clamp-on RTD

- Pt1000, Pt100, 4-wire
- DIN IEC 751 class A
- Measuring range -58 to 482 °F,
- With portable circular connector, 10 ft cable,
- Matched according to DIN EN 1434-1 for energy measurement
- P/N: 670413-1 and 670413-2 for fast-rise (low mass)



Clamp-on RTD

- Pt1000, 4-wire
- DIN IEC 751 class A, measuring range 32 to 482 °F,
- 20 ft cable, prepared for junction box and Direct connection
- Matched Pair and Singles available
- Includes calibration cert.
- P/N: 770412-1 (for matched pair) and 770413-1 (for single)

Accessories



Wall thickness gauge

- Temperature range: up to 140F
- High temperature version available for up to 1000F
- For use with F/G601 portable flow meters
- P/N: 670510-0 (for std temp) and 670522-0 (for high temp)



Coupling gel

- For up to 266F P/N: 990739-1
- For up to 392F P/N: 990739-2
- Coupling gel for use with all model transducers



PermaPads

- Solid coupling material for all model transducers
- Sold separately for portable transducers
- Temperature tolerance: 400F
- Eliminates any maintenance of transducer coupling
- P/N: 990739-5 (for Q) 990739-6 (for P/M) 990739-0 (for K/G)



Wavelnjector coupling foils

- Lead for up to 532F P/N: 990739-7 (for P/M) 990739-7K (for K/G)
- Silver for up to 752F P/N: 990739-8 (for P/M) 990739-8K (for K/G)



FluxData Software

- Allows downloading of FLEXIM data logger from F/G 704/808/601/608
- Data logger includes date/time stamped flow rates/totalizers/diagnostics
- Data logger creates .txt file that easily opened in Excel for universal application
- P/N: 990744-7 (F704/F808), P/N: 990744-6 (F601/F608)



F/G704 Heater

- Not available for FM approved versions
- For use with F/G704 transmitters only
- P/N: US-HEATER.INSTALLED (Factory Installed)
- P/N: US-HEATER (Spare Part)