Variable Area

MT3750C Series

MT3750C Series



Ouick Ship Ships in 5 days

Metal Tube Variable Area Flowmeters

Overview

Brooks[®] MT3750 meter operation is based on the variable area principle. The all metal meter is ideal for a variety of gas and liquid applications. These meters are indispensable where high pressure operating conditions exist.

The primary meter is available in 316L stainless steel construction. But corrosion resistant materials of construction are available which makes it a perfect fit for the metering of aggressive applications.

A broad range of threaded connection sizes and types provide for flexible installations.

The very popular mechanical indicator option does not require power which reduces installation costs and is a cost-effective solution for flow measurement in hazardous areas. Certified transmitters and alarms both flameproof and instrinsically safe are available for hazardous installations anywhere in the world.

Product Description

The Brooks[®] Ar-Mite[™] is a reliable, low flow metal tube flowmeter with 316L stainless steel wetted parts. The magnetically coupled indicator provides a highly reliable method of indication. This model is a practical and economical approach to low flow rate indication for high pressure and difficult to handle fluids.

Optional accessories include 4-20 mA output, Needle Valve, Flow Controllers and Alarms.

Features and Benefits

Features	Benefits
Wetted Parts made from Stainless Steel or Monel®	Compatible for a wide range of fluids (liquids or gases)
Ranges up to 100 I/h or 26 GPH	Capable of measuring (very) low flows accurately
High Pressure and Temperature Rating	Designed to work safely under difficult conditions
Miniature Size	Compact even with process flanges
Local Reading, Integral Control Valve,	Needle Valve, Transmitter or Alarms, versatile product offering
Certified Ex-proof, Intrinsically safe	ATEX, CSA, IECEx and NEPSI Approved



Product Specifications / Capacities

Table 1 MT3750C Specifications	
Specifications	MT3750C
Measuring Range	See Capacities Table 2
Rangeability	10:1 (most sizes)
Metering Tube	316L (stainless steel)
	Monel K-500
End Fittings	316L (stainless steel)
	Monel K-500
Accuracy	5%, 3%, VDI/VDE class 4, 2.5
Repeatability	1% Full Scale
Scale	Silver increments with black background - Aluminum Material (52 mm long), single or dual
Connections	1/4" to 3/4"NPT Female
	1/4", 6 mm tube compression
Floats	316L stainless steel
	Titanium Gr. II
O-rings	Viton® fluoroelastomers
	PTFE Teflon [®] , Buna-N, Kalrez [®] 4079 perfluoroelastomers, Ethylene Propylene
Protection Category	(Indicator only) IP66/67/NEMA 4X, (Alarms) IP65/NEMA 4X, (Transmitter) IP66/67/NEMA 4X
Indicator Housing & Cover	Die cast Aluminum (Alloy 380), epoxy paint, glass window
Maximum Fluid Temperature	204°C/400°F (Refer to tables on Page 3)
Maximum Fluid Pressure	1500 PSIG (100 Bar)
	4000 PSIG (276 Bar) (No valve, 1/4" NPT only)
Meter Dimensions	Refer to Figures on Pages 4, 5 and 6
Model Code	Refer to Pages 10, 11 & 12
Pressure Equipment Directive (PED) 2014/68/EU	Flowmeter complies under Sound Engineering Practices (SEP)
RoHS	Products conform to the European Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU
Inductive Alarm Switches	1 or 2 inductive switches
Reed Switches	1 or 2 switches
Transmitter	4-20 mA output
Agency Approvals	Refer to Tables 6-9
Optional Equipment	Cartridge or NRS [™] valves
	Integrally mounted flow controllers

Table 2 MT3750C Capacities

Meter			Flow Range	Viscosity	Pre	ssure		
Size	Wa	ter		Air (1, 2)		Limit ⁽³⁾	D	rop
	gph	l/h	ln/h	scfh	m³n/h	СР	mBar	Inches WC
0	0.025-0.25	0.096-0.96	4.3-43	0.16-1.6	-	5	12	4.8
1	0.034-0.34	0.13-1.3	5.6-56	0.21-2.1	-	10	12	4.8
2	0.096-0.96	0.36-3.6	13.0-120	0.5-4.9	-	20	12	4.8
3	0.29-2.8	1.0-10	-	1.2-12	0.033-0.33	35	12	4.8
4	0.55-5.5	2.1-21	-	2.5-23	0.063-0.62	70	32	12.8
5	1.1-11	4.2-42	-	5.4-53	0.15-1.3	100	38	15.3
6	2.8-26	11-100	-	12-110	0.31-3.1	130	44	17.7

Notes:

Air flows in scfh converted to 70°F and 14.7 psia when the meter is operated at 70°F and 14.7 psia.
 Air flows in m³n/h (converted to normal conditions: 0° and 1.013 bar abs) when the meter is operated at 1.013 bar abs and 20°C.
 When the viscosity of the fluid exceeds the viscosity immunity ceiling (VIC), a calculated correction is applied to account for the difference between factory calibration fluid and process fluid.

Product Specifications - Pressure / Temperature and Certifications

Table .	31	MT37	50C	Pressure	Ratings	in	PSIG	(BarG))
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Meter Type	Pressure Rating -58°F to 400°F / -50°C to 204°C
Standard Meter	1500 (100)
High Pressure Meter	4000 (276)

Table 4 MT3750C Fluid Temperature at Ambient Temperature

Max. Ambient		Max. Fluid Temperature per Option										
Temperature		Indicator		Alarm		Transmitter						
°F	°C	°F	°C	°F	°C	°F	°C					
-58	-50	-58 to 400	-50 to 204	N/A	N/A	N/A	N/A					
-20	-29	400	204	-20 to 250	-29 to 120	-20 to 180	-29 to 82					
104	40	400	204	250	120	180	82					
110	43	390	199	250	120	175	79					
120	49	380	193	250	120	170	76					
130	54	370	187	250	120	165	74					
140	60	360	182	240	115	155	68					
150	65	350	176	235	112	150	65					

Notes:

1. Ambient temperature is limited to 150°F (65°C) maximum. Contact factory for ambient temperature > 150°F (65°C)

Table 5 MT3750C Temperature Ratings for Elastomer Materials

Elastomer	Minimum Te	emperature	Maximum Temperature		
Materials	°F	°C	°F	°C	
Kalrez 4079	-58	-50	400	204	
Viton A	5	-15	400	204	
Teflon PTFE	-58	-50	400	204	
Buna	-22	-30	250	120	
Ethylene Propylene	-58	-50	250	120	

Table 6 Product Approvals - MT3750C (Reference Tables 7, 8 & 9 for Certifications with Transmitter, Reed Switch Alarm and Ind	luctive Alarm)
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		N	leter	Optior	ıs				
Approvals	Mark	Mechanical	Transmitter	Inductive Switch Alarm	Reed Switch Alarm	Standards/Directives/Marking	Declaration/Certificate		
EU Declaration of			✓	~		EMC Directive (2014/30/EU)	Declaration		
Conformity	CE	~	~	~	~	RoHS Directive (2011/65/EU)	Declaration		
		~	~	~	~	Pressure Equipment Directive (2014/68/EU)	Declaration - SEP		
CRN		~	~	~	~	ASME B31.1 & ASME B31.3	CRN		
IP66/67 & NEMA 4X		~				IEC 60529 & NEMA 250-2014	Declaration		
IP66/67			√			IEC 60529	DEKRA Certificate/ UL		
IP65				✓		IEC 60529	DEKRA Certificate		
Type 4X			~	~	~	CSA	CSA / UL Certificate		
Explosion safety	ATEX	~				II 2GD c IIC TX	MBID 022		
(c)"	⟨£x⟩					Special conditions for safe use: Enclosure contains glass & painted aluminum parts. If it is mounted in an an category 2G or 2D apparatus is required, it must be installed such that ignit propagating brush discharge sparks are excluded. The actual maximum surface temperature of the equipment depends not or on operating conditions of the process fluid/gas flowing through the equipm itself does not generate heat. Due to this reason the temperature class is n maximum permitted ambient and process temperature limits can be found i instructions.	rea where the use of ion source due to n the equipment itself, but ent. The equipment by parked as TX. The n the operating		
						At start up especially for gas applications, ensure that the pressure is gradually increased through the piping system. A sudden pressure spike situation may result in a fast movement of the float within the VA flowmeter & the float may hit hard against the float stop.			

Product Dimensions - Threaded Connections with Indicator Only

MT3750 STANDARD CONNECTION



*Flow controller bracket not shown. Contact Brooks Instrument for drawing of flow controller with bracket.

Product Dimensions - Threaded Connections w/Transmitter or Inductive Alarm



*Flow controller bracket not shown. Contact Brooks Instrument for drawing of flow controller with bracket.

Product Dimensions - Threaded Connections w/Reed Switch Alarm



*Flow controller bracket not shown. Contact Brooks Instrument for drawing of flow controller with bracket.

Product Specifications - Transmitter



Table 7 Product Approvals - MT3750C with Transmitter

Description - Transmitter

The transmitter provides accurate magnet angle detection and conversion to a 4 - 20 mA industry standard output signal, based on the position of a float assembly in the flowmeter. This rugged, compact, microprocessor-driven device is capable of providing accurate flow information to your external support systems. The patented magnetic sensor with automatic gain control enables an extremely high dynamic capture range without sacrificing accuracy. (Reference Transmitter Wiring Diagram on page 9)

		N	/leter	Option	ns		
Approvals	Mark	Mechanical	Aechanical nductive Switch Marm Reed Switch Alarm Aeed Switch		Declaration/Certificate		
Explosion safety "Flame Proof"	ATEX		~			II 2 G Ex d IIC T6 II 2 D Ex tD A 21 IP66 T 85°C EN 60079-0:2006, EN 60079-1:2004, EN 61241-0:2006, EN 61241:2004 Special conditions for safe use: For information regarding the dimension of the flameproof joints the manufacturer shall be contacted.	KEMA 01ATEX2174
	IECEX					EX d IIC T6 IEC 60079-0:2004 IEC 60079-1:2003 Special conditions for safe use: For information regarding the dimension of the flameproof joints the manufacturer shall be contacted.	IECEx KEM 06.0049
			~			Class I, Div.1, Groups A, B, C, and D,T6 Class II, Div.1, Groups E, F, and G Class I, Zone 1 AEx d IIC T6, Ex d IIC T6	UL File E73889
	NEPSI		~			Ex d IIC T6 Gb GB3836.1-2010 GB3836.2-2010	GYJ11.1638X
Explosion safety "Intrinsic Safety (ia)"	ATEX		~			II 2 G Ex ia IIC T6 II 2 D Ex iaD 21 IP66/IP67 T70°C, II 2 D Ex tD A21 IP66/IP67 T70°C EN 60079-0:2006, EN 60079-11:2007 EN 61241-0:2006, EN 61241-11:2006	KEMA 01ATEX1033
	IECEX		~			Ex ia IIC T6 IEC 60079-0:2004 IEC 60079-11:1999	IECEx KEM 06.0037
			~	\square		Class I, II, III, Div.1, Groups A, thru G, T6 Class I, Zone 1 AEx ia IIC T6, Ex ia IIC T6	1292059
	NEPSI		~			Ex ia IIC T6 Gb Ex iaD 21 T70°C GB3836.1/4-2010, GB 12476.4-2010	GYJ11.1637
Explosion safety "Non-sparking (nA)"	IECEX		~			Ex nA II T6	IECEx KEM 06.0037
			~			Class I, Div.2, Grps A, B, C, and D; Class II Grps F and G, T6 Class I, Zone 2 AEx nA II T6, Ex nA II T6	1292059
Russia Custom Union Excessive Pressure	EAC		✓ 			Custom Union including Russia "On safety of the equipment operating under excessive pressure" TR CU 032/2013	ТС N RU Д-U.АУ04.В.05988
Russia Custom Union Explosion safety	EAC		~			Custom Union including Russia "On safety of the equipment for work in explosive environments" TR CU 012/2011 (TR CU Ex)	RU C-HU.ГБ08.В.00741

Product Specifications - Reed Switch Alarm/Limit Switches



Description - Reed Switch Alarm

Two reed switches are installed in the alarm housing to provide signaling or switching functions when a preset flow value has been reached. The reed switches provide high, low or dual setpoints and latched output over the full range. The switches are normally adjusted to the desired flow range in the factory. Modifications to the switch settings can be made in the field. Minimum setting distance between two switches is approximately 40% of the scale. (Reference Reed Switch Wiring Diagram on page 9)

Data Reed Switch

Maximum Voltage*175 Vdc, 124 VacMaximum Current*250 mAMaximum Contact Rating*3 Watts(*Maximum Switch Specifications)

Electrical Classification

Non Incendive:	
Maximum Voltage	30 Vdc
Maximum Current	100 mA
Maximum Contact Rating	3 Watts

		N	leter	Optior	าร		
Approvals	Mark	Mechanical	Transmitter	Inductive Switch Alarm	Reed Switch Alarm	Standards/Directives/Marking	Declaration/Certificate
Explosion safety "Intrinsic Safety (ia)"					 Image: A start of the start of	Class I, Div 1, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Encl Type 4X IS Entity Parameters: Vmax=30Vdc, Imax=100mA, Ci=0, Li=0	1788748
Explosion safety "Non-incendive"						Class I, Div 2, Groups A, B, C and D; Class II, Groups E, F and G; Class III; Encl Type 4X	1788748
Explosion safety "Intrinsic Safety (ia)"						Reed Switch Alarms are classified as "Simple Apparatus" when used in Intri They comply with the requirements of EN60079-11 clause 5.7 – Simple app Ambient Temperature ratings: -20° C \leq Tamb \leq 65° C Input parameters: Vmax = 30V, Imax = 100mA, Ci = 0µF, Li = 0µH Special conditions for safe use: • The product should be installed by suitably trained personnel, in accordan code of practice. • As the product has no source of internal heating, the temperature classific ambient air temperature. • Since part of flowmeter enclosure is made of painted aluminum, if it is mou 1 area, it must be installed such, that, ignition sources due to propagating brexcluded	nsically Safe circuits. aratus. ce with the applicable ation is dependent on the unted in group II, category rush discharge sparks are

Table 8 Product Approvals - MT3750C With Reed Switch Alarm

Product Specifications - Reed Switch Alarm/Limit Switches





Reed Switch Wiring Diagram

Transmitter Wiring Diagram

Product Specifications - Limit Switches/Inductive Alarm Switch



Limit Switches - Inductive Alarm Switch

One or two electronic limit switches type SJ2-N can be installed in the indicator housing to allow initiation of signaling or switching functions on a preset flow value being reached. The SJ2-N limit switch operates as a slot initiator that is inductively actuated by a cam mounted to the pointer. Any flow value can be used for setting the limit value by sliding the switch along the slot in the mounting plate for the initiators. Minimum setting distance between two limit switches is approximately 50% of the scale range.

Power supply

Current consumption Current consumption Self inductance Self capacitance Max Temp **8 Vdc (Max. 15.5 Vdc)** active area clear: > 3 mA active area obscured: < 1 mA 29 μH 20 nF 158°F (70°C)

The flow valve can be used for setting the limit value by sliding the switch along the slot in the mounting plate for the initiators. Minimum setting distance between two limit switches is approximately 50% of the scale range.

		Meter Options						
Approvals	Mark	Mechanical	Transmitter	Inductive Switch Alarm	Reed Switch Alarm	Standards/Directives/Marking	Declaration/Certificate	
Explosion safety "Intrinsic Safety (ia)"	ATEX			✓		II 2 G Ex ia IIC T6 II 2 D Ex ia D 21 IP65 T75°C EN 60079-0:2006, EN 60079-11:2007 EN 61241-0:2006, EN 61241-11:2006	KEMA 02ATEX1126	
	IECEX			~		Ex ia IIC T6 Gb Ex ia IIIC T 75°C Db IP65 IEC 60079-0:2007-10 , IEC 60079-11:2006 , IEC 61241-11:2005	IECEx KEM 09.0046	
				~		Class I, II, III, Div.1, Groups A thru G, T6 Class I, Zone 0, Zone 1 AEx ia IIC, T6 Ex ia IIC T6	1379260	
	NEPSI			~		Ex ia IIC T6 Gb GB3836.1-2010 GB3836.4-2010	GYJ11.1639	
Explosion safety "Non-sparking (nA)"				✓		Class I, II, III, Div. 2, Groups A thru G, T6 Class I, Zone 2 AEx nA II, T6 Ex nA II T6	1379260	
	NEPSI			✓		Ex nA IIC T6 Gc GB3836.1:2010; GB3836.8:2003	GYJ13.1315	
Russia Custom Union Excessive Pressure	EHC			√		Custom Union including Russia "On safety of the equipment operating under excessive pressure" TR CU 032/2013	ТС N RU Д- U.АУ04.B.05988	
Russia Custom Union Explosion safety	EHC			~		Custom Union including Russia "On safety of the equipment for work in explosive environments" TR CU 012/2011 (TR CU Ex)	RU C-HU.ГБ08.В.00741	

Table 9 Product Approvals - MT3750C With Inductive Alarm

Model Code

Code D	escription	Code Option	Option Description							
Ι.	Base Model Number	3750C	55 mm, Armored Purg							
II.	Material Specification	1	316L Stn. Stl. & CRN (Stn. Stl. & CRN Certification						
		2	316L Stn. Stl., CRN Ce 316 Stn. Stl., CRN Cer	rtification & Certified Mathematication & Certified & Certified Mathematication & Certified & Certified & Mathematication & Certified & Certified & Mathematication & Certified & Mathematic	aterial to EN 2.2					
		4	316L Stn. Stl., CRN Ce	ertification & Section IX	Nelding					
		5	316L Stn. Stl., CRN Ce	ertification & Certified M	aterial to EN 2.2/Section IX Welding					
		6	310L STR. STL, CKN CERTIFICATION & CERTIFIED MATERIAL TO EN 3.1/Section IX Welding							
		A*** 	316L Stn. Stl., Certified Material to EN 2.2							
		C	316L Stn. Stl., Certified material to EN 3.1							
		D	316L Stn. Stl. with Section IX Welding							
		E	316L Stn. Stl., Certifie	d Material to EN 2.2/Sec	tion IX Welding					
		F G	Monel K500	a Malerial to EN 3.1/Sec						
		H	Monel K500 Certified	Material to EN 3.1						
	Motor Sizo		2161 Tubo	Tubo						
	Meter Size	0	Size 0 - Titanium Floa	ium Float						
		1**	Size 1 - 316L Stn. Stl. Float Size 1 - Monel K 500 Float							
		2**	Size 2 - 316L Stn. Stl. Float Size 2 - Monel K 500 Float							
		3**	Size 3 - 316L Stn. Stl. Float Size 3 - Monel K 500 Float							
		5**	Size 4 - STOL SUL SUL FLOAT Size 5 - Monel K SOU FLOAT							
		6**	Size 6 - 316L Stn. Stl.	Float Size 6 - Mone	el K 500 Float					
IV.	Construction/Seals		Construction	Seals						
		A**	Standard Design	Viton O-rings						
		В	Standard Design	Teflon O-rings (No V	alve Only)					
		C	Standard Design	Buna O-rings	(Mithout Value)					
		F	Standard Design Kalrez U-rings (With/Without Valve)							
		F	Standard Design	Kalrez in Valve						
		G	All Welded/High Pressure No Elastomer - No Valve Cavity							
V.	Connection Size and Type	1**	1** 1/4" NPT (F) - Integral							
		2	1/4" Tube Compressio	n - With Adapter						
		3	6 mm lube Compression - With Adapter 1/a'' Rc (F) - With Adapter							
		- 4 - 5	1/2" NPT (F) With Adapter							
		6	3/4" NPT (F) - With Ac	lapter						
VI.	Connection Orientation	1**	Horizontal Inlet and O	utlet (Threaded Connec	ions Only)					
VII	Value Configuration		No Value (Standard Fi	tting with Dlug)						
VII.	valve configuration		Low Flow Valve on Infe	et - Typical for Sizes 0, 1	2					
		C**	Medium Flow Valve or	n Inlet - Typical for Sizes	3 & 4					
		D**	High Flow Valve on Inlet - Typical for Sizes 5 & 6							
		E	No Valve Cavity - All V	Velded / High Pressure C	Inly					
			NRS Valve - Size 3 on	Inlet - Typical for Size 2						
		M	NRS Valve - Size 5 on	Inlet - Typical for Size 3						
		N	NRS Valve - Size 6 on	Inlet - Typical for Sizes	l & 5					
		<u>Р</u> т	Mounted to 316L SS 8802 Flow Controller with Viton Diaphragm							
		U	Mounted to 316L SS 8805 Flow Controller with Teflon Diaphragm							
		V	Mounted to 316L SS 8902 Flow Controller with Viton Diaphragm							
		W	Mounted to 316L SS 8905 Flow Controller with Teflon Diaphragm							
		1	Mounted to 316L SS 8802 Flow Controller with Teflon Diaphragm							
	A // · · · // //· · /									
VIII.	Accuracy/inscription/Fluid	9	Accuracy N/A	No Scale						
		Â	N/A	Blank Scale	N/A					
		B**	4 VDI / 5% FS	% Scale	Liquid					
		<u>C**</u>	4 VDI / 5% FS	Direct Reading	Liquid					
			4 VDI / 5% FS	Vo Scale Direct Reading	Gas					
		F_	4 VDI / 5% FS	% Scale	Liquid - High Viscosity					
		G	4 VDI / 5% FS	Direct Reading	Liquid - High Viscosity					
		H	2.5 VDI / 3% FS	% Scale	Liquid					
			2.5 VDI / 3% FS	% Scale	Gas					
		L	2.5 VDI / 3% FS	Direct Reading	Gas					
		M	2.5 VDI / 3% FS	% Scale	Liquid - High Viscosity					
		N	N 2.5 VDI / 3% FS Direct Reading Liquid - High Viscosity							

** **OuickShip** Select meters ship in 5 days. Max order quantity = 5 meters. Consult factory on orders of more than 5 meters.

Model Code (continued)

Code	Description	Code Option	Option Description					
IX.	Electrical Output	A**	None					
•		В	Reed Switch Alarm, Meter Mounted					
		E	Single Inductive Alarm with M20 x 1.5 Electrical Connection					
		F	Single Inductive Alarm with 1/2" NPT (F) Electrical Connection					
		G	Double Inductive Alarm with M20 x 1.5 Electrical Connection					
		H	Double Inductive Alarm with 1/2" NPT (F) Electrical Connection					
		J	Mat Transmitter with M20 x 1.5 Electrical Connection					
		ĸ	Mat Iransmitter with 1/2 NPT (F) Electrical Connection					
X.	Alarm Relay/	A**	None					
	Transmitter Power Supply	B	Power Supply 24 Vdc with IS Barrier					
		C	Power Supply 120 Vac with IS Barrier					
		D	Power Supply 240 Vac with IS Barrier					
		E	24 Vul 1 Channel					
		G	120 Vac 1 Channel					
		н	120 Vac 2 Channel					
		1	240 Vac 1 Channel					
		ĸ	240 Vac 2 Channel					
VI	Contifications/Approvals		l Nava					
ΛΙ.	certifications/Approvats	A***	Zone 1 Intrinsically Safe CENELEC - ATEX					
		D	Zone 1. Flame-proof CENELEC - ATEX					
		E	Division 2/7one 2, Non-incendive CSA - USA and Canada (Transmitter 1/2" NPT & Alarms)					
		F	Division 1/Zone 1, Intrinsically Safe CSA - USA and Canada (Transmitter 1/2" NPT & Alarms)					
		G	Division 1/Zone 1, Explosion-proof/Flame-proof UL Listed - USA and Canada					
		Н	Zone 1 Intrinsically Safe NEPSI (China) (1/2" NPT and M20 Elec. Conn.)					
		J	Zone 2 Non-sparking NEPSI (China) (1/2" NPT and M20 Elec. Conn.) - Alarm Only					
		K	Zone 1 Flame-proof NEPSI - Transmitter Only (China) (M20 Elec. Conn. Only)					
		L	Zone 1 Intrinsically Safe IECEx (World) (1/2" NPI and M20 Elec. Conn.)					
		N	Zone 1 Elamo-proof IECEX (World) - Transmitter Only (M20 Elec. Conn.)					
		P	TR CLEEX Zone 2 Non-incendive/non-sparking (Customs Union including Russia) - Transmitter 1/2" NPT & Alarm					
		R	TR CU Ex Zone 1. Flame-proof XP - IIC (Customs Union including Russia)					
		S	TR CU Indicator only (Customs Union including Russia)					
		T	Zone 1 Flame-proof - KOSHA (Korea)					
		U	Zone 1/Zone 2 Non-Electrical ATEX					
XII.	Material Inspection	A**	None					
		1	NACE MR0175 MR0103 - 2.1 Certificate only (316L SS Construction Only)					
		2	Liquid Dye Penetrant Test Report - 3.1 (Welds Only) - (316L SS Construction Only)					
		3	Certified According to NACE MR0175 MR0103& Liquid Penetrant					
		4	International Calibration Certificate Includes Scale Check					
		5	ICC & NACE MR01/5 MR0103					
		0						
		8						
		9	ICC, PMI & LDP					
		В	LDP, ICC					
		C	LDP, NACE MR0175 MR0103					
		D	LDP, NACE MR0175 MR0103, PMI					
		Ē	LDP, NACE MR0175 MR0103, PMI, ICC					
		F						
		<u>п</u>	LDF, ICC, NACE					
XIII.	Accessory	A**	None					
		B	Hush Panel Mounting (Indicator and Threaded Connections Only)					
			NO BLOOKS LUCHTITICATION (INDICATOR UNLY)					
		F	Commercial Clean					
		S	Flush Panel Mounting & Degrease for Oxygen Service (Same as Option B)					
		T	Flush Panel Mounting & Special Cleaning (Same as Option B)					
VIV	Accorcory Crown 2	0**	Nana					
AIV.	Accessory Group 2	R R	Rracket ECA Standard					
		C	Bracket, FCA, Stainless Steel					
		D	Dual Scale					
		E	Dual Scale and Standard Bracket					
		F	Dual Scale and SS Bracket					

Sample Standard Model Code

I	Ш	III	IV	V	VI	VII	VIII	IX	Х	XI	XII	XIII	XIV
3750C	Α	2	Α	1	1	Α	В	Α	Α	Α	Α	Α	0

** **OuickShip** Select meters ship in 5 days. Max order quantity = 5 meters. Consult factory on orders of more than 5 meters.

Brooks Service and Support

Brooks is committed to assuring all of our customers receive the ideal flow solution for their application, along with outstanding service and support to back it up. We operate first class repair facilities located around the world to provide rapid response and support. Each location utilizes primary standard calibration equipment to ensure accuracy and reliability for repairs and recalibration and is certified by our local Weights and Measures Authorities and traceable to the relevant International Standards.

Visit www.BrooksInstrument.com to locate the service location nearest to you.

START-UP SERVICE AND IN-SITU CALIBRATION

Brooks Instrument can provide start-up service prior to operation when required. For some process applications, where ISO-9001 Quality Certification is important, it is mandatory to verify and/or (re)calibrate the products periodically. In many cases this service can be provided under in-situ conditions, and the results will be traceable to the relevant international quality standards.

SEMINARS AND TRAINING

Brooks Instrument can provide seminars and dedicated training to engineers, end users, and maintenance persons. Please contact your nearest sales representative for more details.

Due to Brooks Instrument's commitment to continuous improvement of our products, all specifications are subject to change without notice.

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Global Headquarters Brooks Instrument 407 West Vine Street Hatfield, PA 19440-0903 USA Toll-Free (USA): 888-554-FLOW T: 215-362-3500 F: 215-362-3745 BrooksAM@BrooksInstrument.com

A list of all Brooks Instrument locations and contact details can be found at www.BrooksInstrument.com



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