FLUID COMPONENTS INTERNATIONAL LLC

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Order Information Sheet (OIS)

ST75
Air/Gas Flow Meter

ST75 - | | | | | | | | |

Block No. 1 2 3 4 5 6 7 8

INSTRUCTIONS: To order an **ST75**, please fill in each numbered block above by selecting required codes from the corresponding categories below. Use of any "W" or "*" codes requires prior approval from FCI. For special data, documentation, test reports or required quality reports, refer to FCI's Engineering and Quality Assurance Order Information Sheets (OIS).

Code	[BLOCK 1] Base Unit, Enclosure Characteristics			
	Display	**Integral or Remote**	**Cable Entries**	**Enclosure**
1	No display	Integral	1/2" NPT	Aluminum
2	Display	Integral	1/2" NPT	Aluminum
4	Display	Remote	1/2" NPT	Aluminum
5	No display	Integral	1/2" NPT	Stainless steel
6	Display	Integral	1/2" NPT	Stainless steel
7	Display	Remote	1/2" NPT	Stainless steel
A	No display	Integral	M20 x 1.5	Aluminum
B	Display	Integral	M20 x 1.5	Aluminum
C	Display	Remote	M20 x 1.5	Aluminum
D	No display	Integral	M20 x 1.5	Stainless steel
E	Display	Integral	M20 x 1.5	Stainless steel
F	Display	Remote	M20 x 1.5	Stainless steel

Code	[BLOCK 2] Pipe Installation, Display/Transmitter Mounting Orientation and Flow Direction	Code	Vertical Pipe
	Horizontal Pipe		
F	Top mount, display/blind front facing forward, flow left-to-right	M	Side mount left, display/blind front facing forward, flow up
G	Top mount, display/blind front facing forward, flow right-to-left	N	Side mount right, display/blind front facing forward, flow up
H	Side mount, display/blind front facing up, flow left-to-right	P	Side mount left, display/blind front facing forward, flow down
J	Side mount, display/blind front facing up, flow right-to-left	R	Side mount right, display/blind front facing forward, flow down
K	Side mount, display/blind front facing down, flow left-to-right		
L	Side mount, display/blind front facing down, flow right-to-left		

For visual representation, refer to FCI drawing number 020943

Code	[BLOCK 3] Power Supply
1	DC; 18 - 36 V
2	AC; 85 - 265 V, 50/60 Hz

Code	[BLOCK 4] Line Size and Process Connection	Tee Body Length
A	1/4" FNPT, 150 lb pipe tee	1.54" [39,12 mm]
B	1/2" FNPT, 150 lb pipe tee	2.28" [57,91 mm]
C	3/4" FNPT, 150 lb pipe tee	2.56" [65,02 mm]
D	1" FNPT, 150 lb pipe tee	2.92" [74,17 mm]
E	1 1/2" FNPT, 150 lb pipe tee	3.82" [97,03 mm]
F	2" FNPT, 150 lb pipe tee	4.66" [118,40 mm]
G	1/4" Tubing Tee with compression fittings for use with 1/4" tubing	2.34" [59,44 mm]
H	1/2" Tubing tee with compression fittings for use with 1/2" tubing	2.84" [72,14 mm]
J	1" Tubing tee with compression fittings for use with 1" tubing	3.86" [98,04 mm]

Code	[BLOCK 5] Gas Medium and System Calibration in Actual Tee Fitting[1]
B	Air
C	Air equivalence (oxygen, chlorine, ammonia, etc.)
E	Nitrogen, helium, argon, CO_2, compressed air
1	Natural gas (90% or greater methane content)
2	Natural gas (90% or greater methane content); line sizes smaller than 1 1/2"
F	Hydrocarbons (e.g. ethane, methane, propane, ethylene, propylene, mixed)
H	Air, compressed air
J	Air equivalence (e.g. oxygen, chlorine, ammonia, etc.)
K	Nitrogen, argon
L	CO_2, ethylene, ethane
M	Propane, propylene
N	Butane, pentane
P	Methane, helium
W	Other, agency approved, customer specified

Code	[Block 6] Calibration[2] and Conditions
0	Standard 2% calibration
A	Standard 2% calibration and extended temperature compensation
M	High accuracy 1% calibration
N	High accuracy 1% calibration and extended temperature compensation

Code	[Block 7] Interconnecting Cable Length for Remote Configurations[3]
0	Not required (specify with integral configurations)
A	10' [3 meters]
B	25' [7,6 meters]
C	50' [15 meters]
W	Custom length (cannot exceed 50' [15 meters])

Code	[BLOCK 8] Agency Approvals[9]
0	Not required; CE Marking only
1	FM, FMc
3	ATEX, IECEx
5	EAC / TR CU
7	NEPSI
*	Other, contact FCI for other approvals and conditions of use

Notes

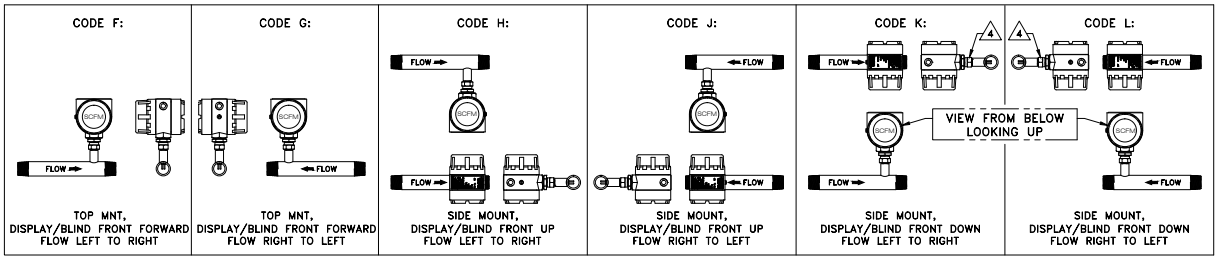
1. Must use FCI's AVAL program to determine letter code. AVAL is a custom flow meter optimizer program that considers gas medium, flow range, pipe size and other conditions to determine best calibration and supplies. FCI letter code to be used here. Consult a local FCI representative/distributor.
2. Calibration accuracy is ±% of reading, ±0.5% of full scale.
3. Fixed cable length with instrument calibrated together as a matched set. Cable may be coiled but not cut.
9. For details on approval type, refer to ST75 specifications.

Accessories

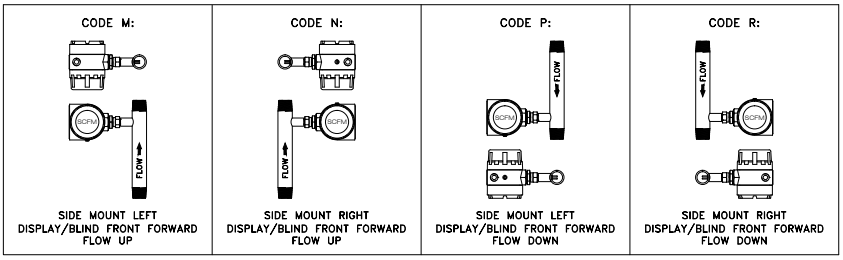
Part Number	Description
FC88	Portable hand-held communicator
014108-02	PC interface communications kit, for RS232 serial port connection

REVISIONS		
REV	DESCRIPTION	DATE
B	ECN002416	6/24/15

INTEGRAL HORIZONTAL MOUNTINGS



INTEGRAL VERTICAL MOUNTINGS



4 FLOW ARROW ON TOP AS SHOWN.

3. THE LCD DISPLAY CAN BE USER ROTATED AND VIEWED AT ANY 90 DEGREE ORIENTATION.
2. IN REMOTE ELECTRONIC CONFIGURATIONS, THE LOCAL ENCLOSURE WILL BE ORIENTED AS SHOWN WITH SOLID COVER ON BOTH SIDES. INTERCONNECTING TERMINALS LOCATED INSIDE.
1. THIS DRAWING IS GENERIC IN NATURE, FOR SPECIFIC MODEL TYPE, ORIENTATION, CUSTOMER PROCESS CONNECTION, ETC, REFER TO IO&M MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

NEXT ASSY	USED ON		
APPLICATION			
THIRD ANGLE PROJECTION			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS .X ±0.1 .XX ±0.03 .XXX ±0.010
ANGULAR ±1/2°
MATERIAL
MACH SURFACE FINISH 125 RMS MAX
MACH EDG .XXX
DO NOT SCALE DRAWING
PARTS TO BE FREE OF BURRS & SHARP EDGES

APPROVALS		APPROVALS	
PRODUCT CERT APVL	N/A	DRAWN	06/24/2015 Ed Pasqual
CONTRACT	N/A	CHECK	06/24/2015 Sam Kresch
MFG ENGR	N/A	ENGR	06/24/2015 Ed Pasqual
MATL MGMT	06/24/2015 Nancy Peters	CHAR	N/A
MFG	N/A	AERO QUAL	N/A
QA	06/24/2015 Burt Tanaka	TECC QUAL	N/A

FLUID COMPONENTS INTERNATIONAL LLC
SAN MARCOS, CA 92078

TITLE: ST75/ST75V, ASSEMBLY ORIENTATION

SIZE	CAGE CODE	DWG NO.	REV
D	64818	020943	B
SCALE NONE	SHEET 1 OF 1		