Cost Effective Flow Measurement For

COMPRESSED AIR

ELECTRONET™

AFM TX - 22

DP FLOW METER

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DP FLOW METER

Features

- Suitable for Compressed Air Applications
- Integral Flow Indicator, Totaliser, Transmitter
- Compact & Cost Effective
- Line Size : 15NB to 50NB
- MOC Electronics Enclosure : Die Cast Aluminium / SS316
- No External Accessories Required
- Two Wire System
- Maintenance Free

Description

An Air Flow Meter is integrally mounted with the inbuilt flow transmitter. It is compact & complete flow meter to measure the flow rate of compressed air. The flow meter works on differential pressure flow measurement principle. It includes LCD display for Pressure, Flow Rate and Totalized value with engineering units. Flow meter is available with Socket Weld, Threaded & Flanged end connections.

Technical Specifications

Line Size	Line Size : 15NB to 50NB	
Accuracy	± 2% of F. S.	
MOC of Plate	AISI 316, AISI 304, Hastalloy C, Other on request	
MOC of Body	SS304 / SS316	
MOC of Gasket	PTFE & Other on request	
Operating Temperature Range	0–120^0 C (Higher temp on request)	
Ambient Temperature	–2.0 to 50^{0}C	
Operating Pressure Range	0–60 kg/cm^2	
Output	4 to 20 mA, 0 to 5 V	
Power Supply	24 V DC (+/– 10%), 24 V DC 4 to 20 mA (Current Loop Powered)	
Communication Output	Output 1: RS485 (MODBUS RTU)	Note: Only for data downloading
	Output 2 : GSM, GPRS	
Sensor Diaphragm MOC	SS316, SS316L, SS304	
Sensor Type	Piezo Resistive	
Electrical Connection	M 20 x 1.5 (F)	
Repeatability	+/– 0.5% of F.S.	
Rangeability	1:3	
MOC Electronics Enclosure	Die Cast Aluminium / SS316	
Electronic Protection Class	Weather Proof IP–66	
Process Connection	1) Threaded BSP (F)	
	2) Flanged (STD ASA 150 B 16.5)	
	3) Socket Weld	
Inbuilt Display	8 Digit, Dot Matrix LCD	

Assembly Overview

50 NB Line Size Flow Meter

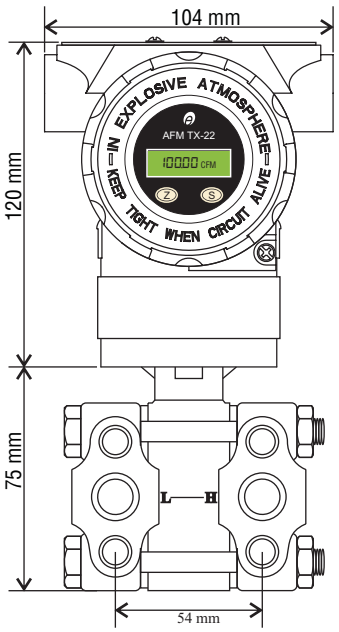

Fig.1 Front View

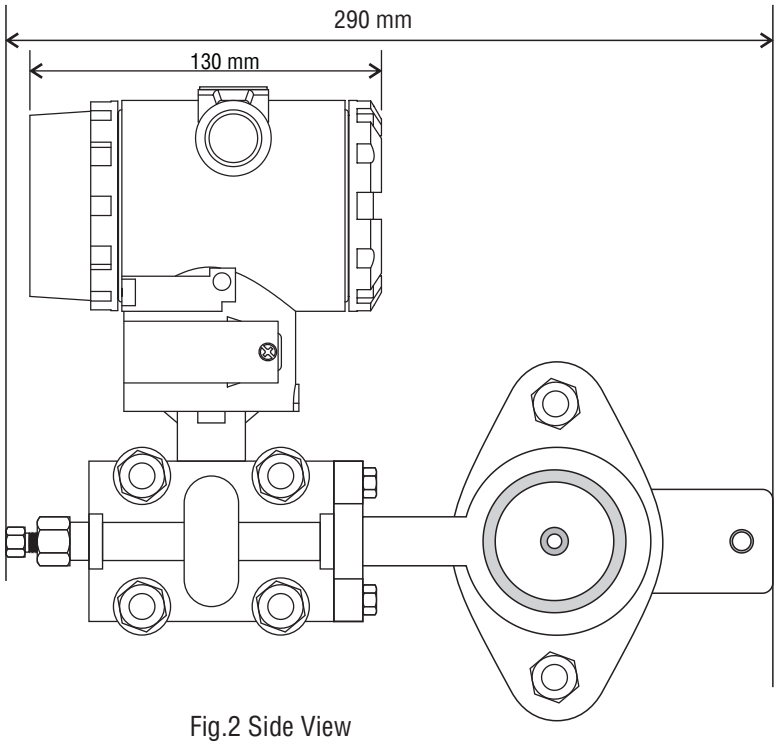

Fig.2 Side View

Ordering Information

Sample Order Code :

FT 15	A1	B2	C1	D2	E1	F2	G1

Parameter		Code	Description
FT	Flow Tube	FT 15	15 NB
		FT 20	20 NB
		FT 25	25 NB
		FT 32	32 NB
		FT 40	40 NB
		FT 50	50 NB
A	Power Supply	A1	24 VDC (+/– 10%)
		A3	24 V DC 4 to 20 mA (Current Loop Powered)
B	MOC Electronics Enclosure	B1	Die Cast Aluminium
		B2	SS316
C	Electrical Connection (Cable Entry)	C1	M20 X 1.5 (F)
		CY	Other

Parameter		Code	Description
D	Output 1	D1	4 to 20 mA
		D2	0 to 5 V
E	Communication Output 1	E1	RS485 (MODBUS RTU)
		EX	NA
F	Communication Output 2 (Either or)	F1	GSM
		F2	GPRS
		FX	NA
G	Process Connection	G1	Threaded BSP (F)
		G2	Flange (STD ASA 150 B 16.5)
		G3	Socket Weld
		GY	Other

Note :
- Due to our continuous product revisions, design specification and model numbers are subject to change without notice.
- Accuracy defined at Lab Conditions.
- For other requirement please consult factory.
- Suitable for Compressed Air applications.

ELECTRONET EQUIPMENTS PVT. LTD.

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