

Cost Effective Flow Measurement For  
**COMPRESSED AIR**

  
**ELECTRONET™**

**AFG-20**  
AIR FLOW  
GAUGE



## AFG - 20

### AIR FLOW GAUGE

#### Features

- Suitable for Compressed Air Applications
- Integral Flow Indicator
- Compact & Cost Effective
- Line Size : 15NB to 50NB
- Zero Tare Facility
- Display Auto Shut Off Facility
- MOC Electronics Enclosure : SS304 / SS316
- Battery Operated
- Reliable and Cost Effective



#### Description

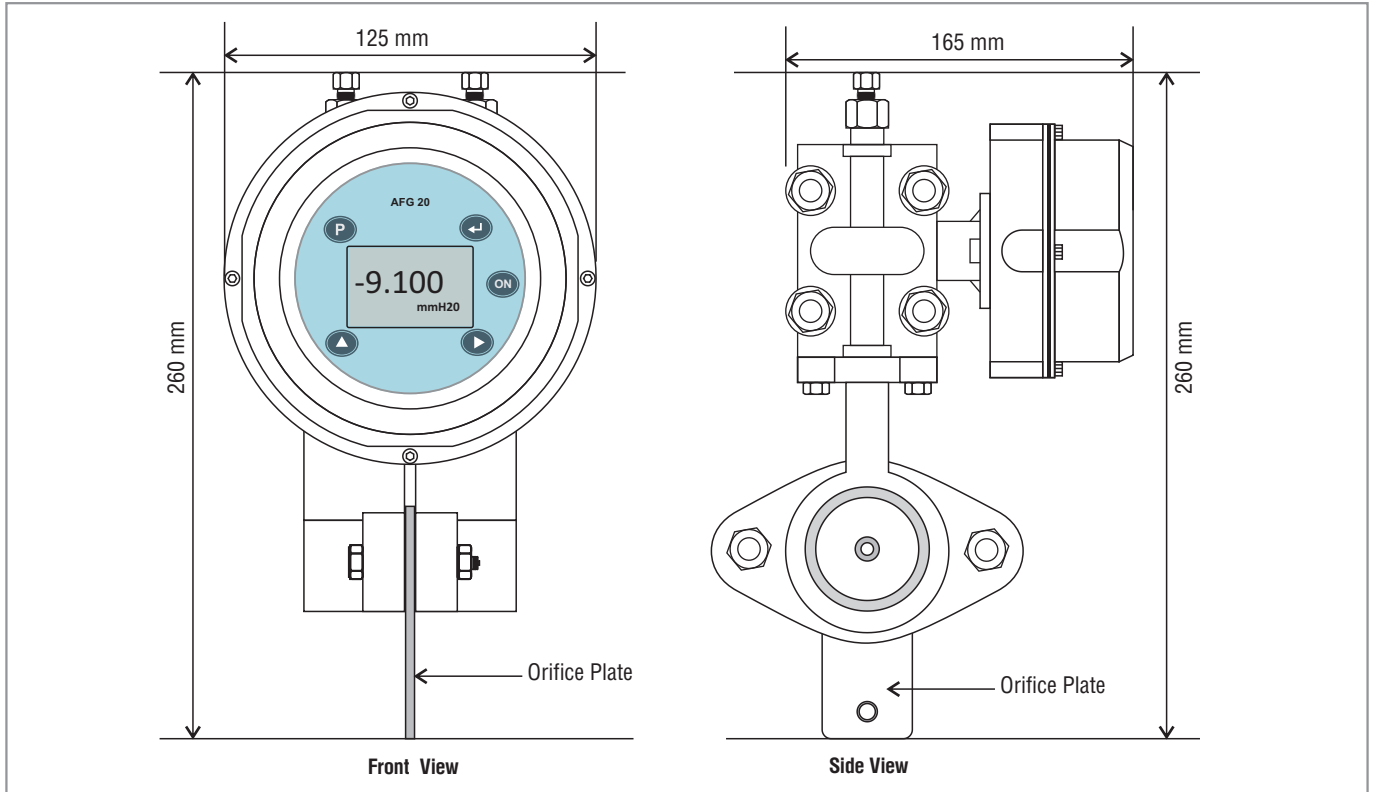
**E**lectronet series AFG-20 is Digital Air Flow Gauge for fast, easy & trouble free operation. The flow gauge works on differential pressure flow measurement principle. These can be cost effective & ideal for monitoring the flow rate of compressed air. Display shut-off facility is provided so that display can be made 'ON' only if required through push button. Thus it saves the battery power and results in long lasting battery operation.

#### Technical Specifications

Line Size	Line Size : 15NB to 50NB
Accuracy	± 1% 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° C (Higher temp on request)
Operating Pressure Range	0–25 kg/cm <sup>2</sup> (Higher pressure on request)
Burst Pressure	2 times max. Pressure range
Over Range Protection	1.5 times of Max. operating pressure
Repeatability	+/- 0.5% of F.S.
MOC Electronics Enclosure	SS304, SS316
Electronic Protection Class	Weather Proof IP-65
Sensor Type	Piezo Resistive
Process Connection	1) Threaded BSP (F)
	2) Flanged (STD ASA 150 B 16.5)
	3) Socket Weld
Inbuilt Display	8 Digit, Dot Matrix LCD
Process Temperature	-40 to 120 °C max
Display Lock	Display can be made ON by pressing 'ON' Key on front fascia Display ON duration programmable (1 min, 2 min, 5 min & conti. ON)
Power Supply	3.6 V, Battery Operated
Battery Back up Time	2000 Hrs
Response Time	< 200 mSec
Temperature Coefficient	± 0.01% per °C
Enclosure Material	SS / Die cast Aluminum IP-65 / Flameproof
Mounting	Direct Line mount
Operating Conditions	Temperature : -20 to 75 °C / Humidity : 5 to 95% non condensing

Assembly Overview

(Typical arrangement for 50 NB Flow Gauge)



Ordering Information

Sample Order Code : FT 15 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

Parameter	Code	Description	
E	Communication Output 1	E1	RS485 (MODBUS RTU)
		EX	NA

Parameter	Code	Description	
F	Communication Output 2 (Either or)	F1	GSM
		F2	GPRS
		FX	NA

Parameter	Code	Description	
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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