

ZT804 TURBINE FLOW METER

Introduction

Ztech's digital turbine flow meter ZT804 is designed to measure flow of water, oil, diesel or suitable liquid for SS media as low cost solution. It can accept pulse/frequency input signal from Turbine sensor & give flow rate / totalizer value as per the set K factor. It is available in different line sizes. It can generate max two relay output on flow or totalizer as per the selection. It can generate analog output as retransmission & give computer connectivity port on Modbus protocol or GPRS connectivity as an optional feature. They are very reliable, accurate employing the latest technology. They undergo stringent tests to assure quality performance.

Features

Output	: Digital Pulse
Power	: 24VDC
High Accuracy	: 1% of FS
Service	: Liquid ,oil
Line Size	: Up to 150mm
Max Temp	: 65 DegC, 110 DegC
Pressure	: 10 bar standard
MOC Selection	: SS304 (Default), SS316L, User Define
Connection Types	: Flange Type (Default), Threaded Type, Tri clover Clamp, User Define
Enclosure Types	: Weather Proof Aluminum Die Cast (Default), Flame proof Class II A, B

Electronics Parameters For Flow Measurement

Display	: Backlit Graphical LCD Graphical Display 64*128
Input	: Digital Pulse
High Accuracy	: 0.15% accuracy of FS
Security	: Password Protection for Configuration of Data
Power Supply	: 90 - 260 VAC 50/60Hz,24VDC,12VDC
Ambient Temperature Range	: 0 To 55 °C
Ambient Humidity Range	: 5 To 95 % Rh (Non-Condensing)
Weight	: 500-900 Gram
Enclosure	: ABS Plastic Enclosure
Protection	: IP65
Dimension	: 96mm(W) * 96mm(H)*95mm(D)

Configuration Functions/Parameters

Configuration Data	: 4 Tactile Membrane Keys for Data Configuration
Flow Totalizer Reset	: Totalizer Reset Facility
Unit	: Count/Hr,Count/min, Count/Sec Filed Selectable
Pulse/Ratio	: Field Configurable Configurable

Output

Retransmission	: 4-20mA (Opto & Galvanic Isolated)
Control Alarm	: Max 4 Relay on Flow Rate
Batch Control Relay	: Max.3 Control Relay on Batch
Pulse Output (Open Collector)	: Pulse Corresponds To Totalizer C
Communications	: RS 485 / RS232
Compatible with GPRS /GPS	: Yes

Special Function (Optional)

Batching Facility	: Available
Data Logging	: Internal Data Logging Function
Log Data	: Approx. 15000 Reading (Flow Da
Data Printing	: External Data Printing Function

Application

DM Water
Solvent
Non Conductive Liquid ,Oil



Turbine Flow Meter
ZT804

Ordering Information

ZT804-XXXXXXXXXX (10 Digit code)

Option 1:Input Signal
0 - 015mm (1/2")
1 - 020mm (3/4")
2 - 025mm (1")
3 - 032mm (1 1/4")
4 - 040mm (1 1/2")
5 - 050mm (2")
6 - 065mm (2 1/2")
7 - 080mm (3")
8 - 100mm (4")
9- User define

Option 2: Power(X)
0 – 24VDC

Option 3:Digital Output
0 - Pulse

Option 4: MOC Selections
0 – SS304 (Default)
1 – SS316L
2-User Define

Option 5: Connection Types
0 – Flange Type (Default)
1 – Threaded Type
2 – Tri clover Clamp
4 – User Define

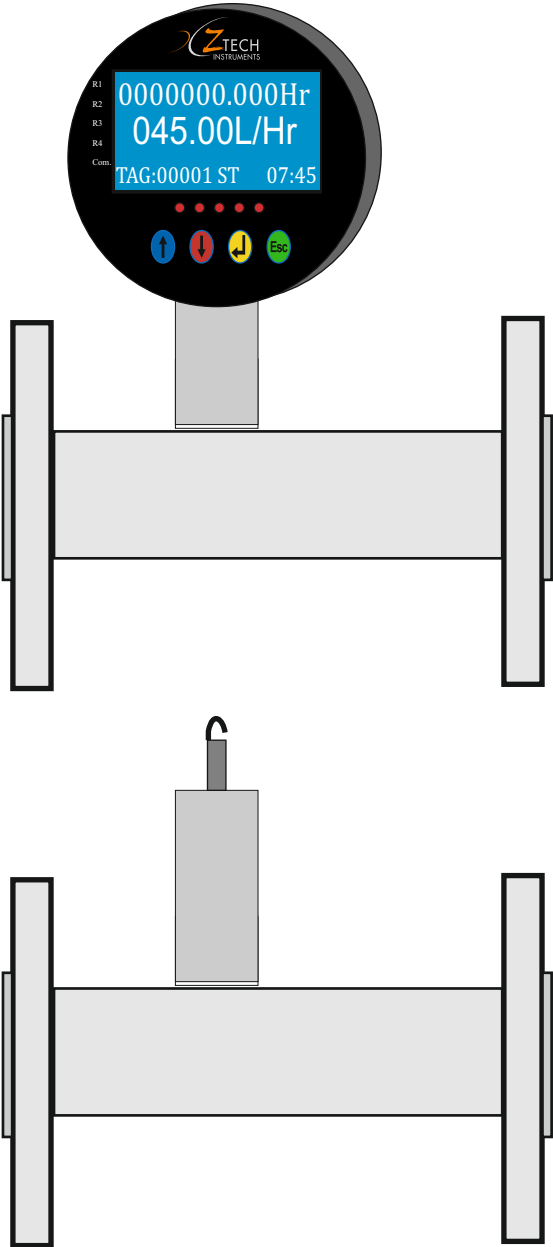
Option 6: Enclosure Types(X)
0 – Weather Proof (Default)
1 – Flame proof Class II A, B

Option 7:(X)
0 – None

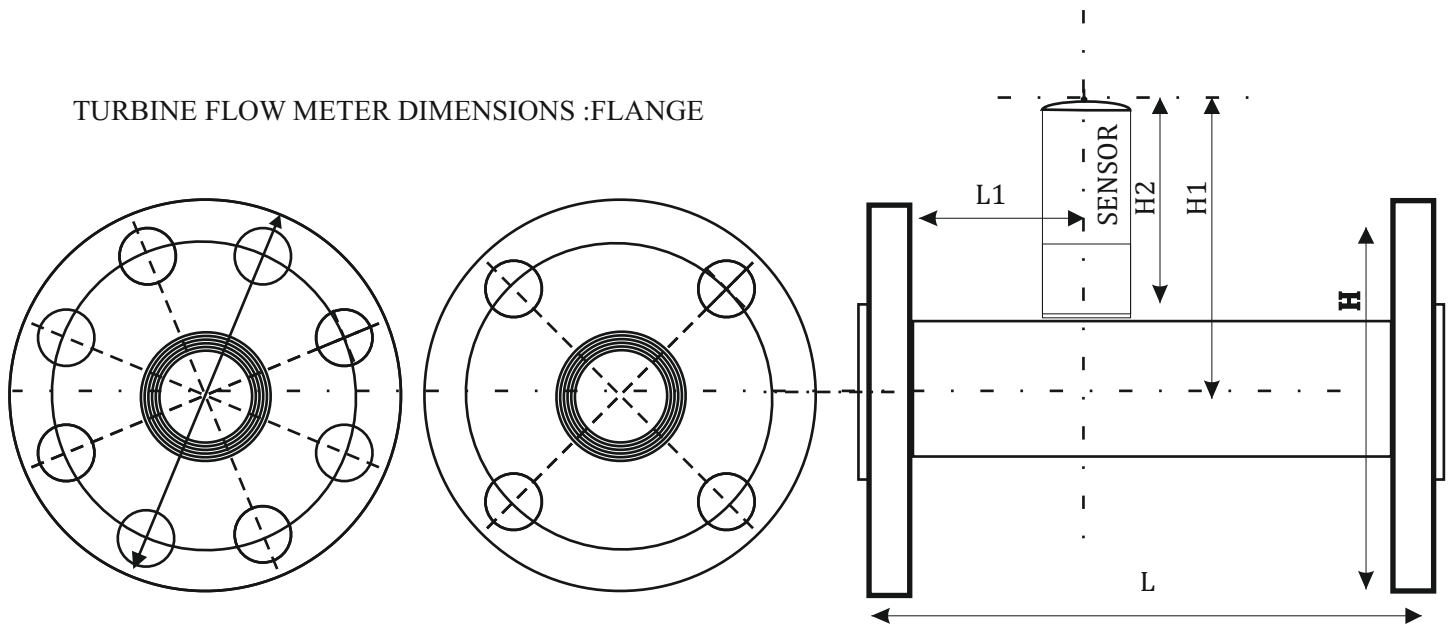
Option 8:(X)
0 – None

Option 9:(X)
0 – None

Option 10:(X)
0 – None

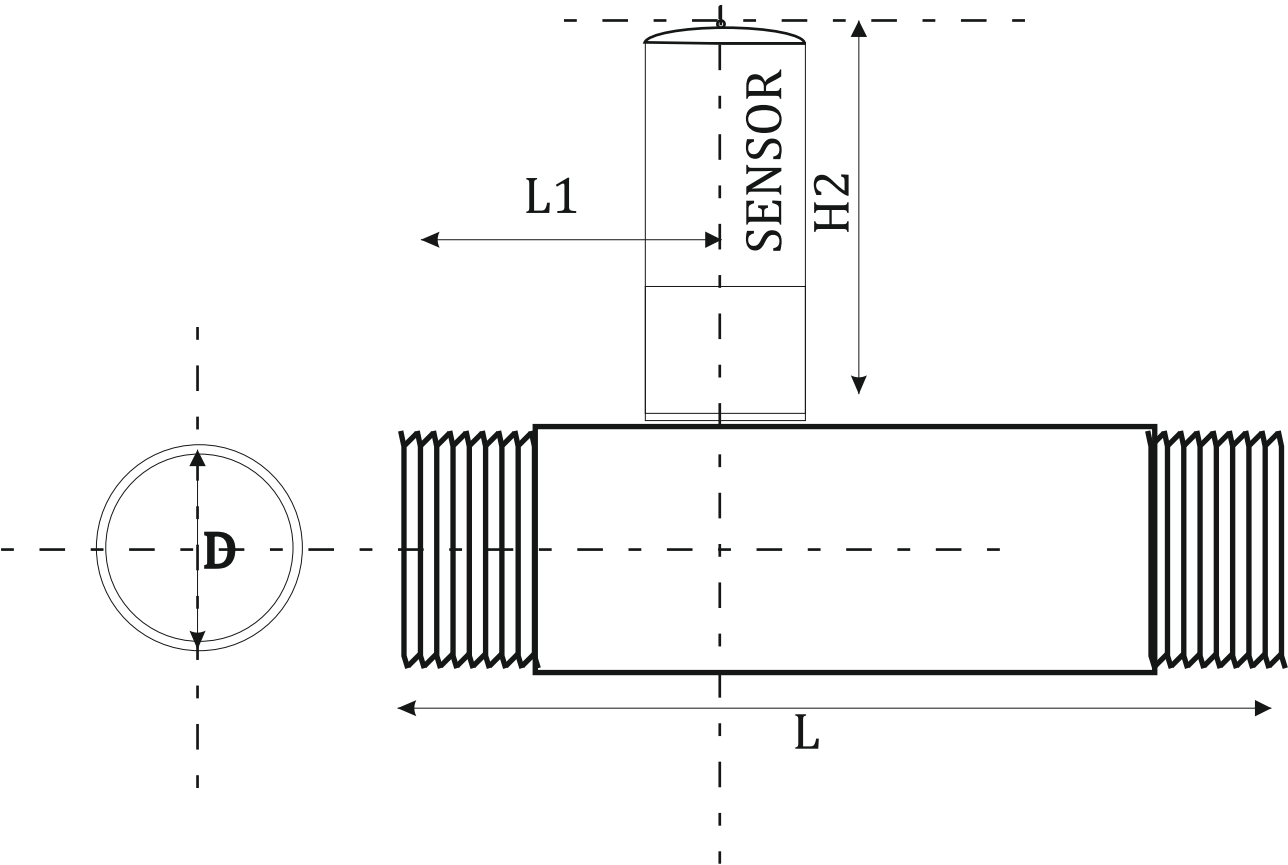


TURBINE FLOW METER DIMENSIONS :FLANGE



Sr.No.	Line Size(inch)	D(mm)	H(mm)	L(mm)	F(mm)	No. of holes	Holes (Diameter)	Flange PCD	Flow
1	1/2	15	90	165	12.5	4	15	61.5	12-80 LPM
2	3/4	20	100	165	12.5	4	15	70	20-120 LPM
3	1	25	108	165	13	4	15	79.5	25-160 LPM
4	1 1/4	32	116	165	15	4	15	90	35-240 LPM
5	1 1/2	40	127	165	15	4	15	98.5	40-330 PLM
6	2	50	152	165	20	4	18	120.5	4-40 M3/Hr
7	2 1/2	65	178	165	20	4	18	141	6-60 M3/Hr
8	3	78	190	165	22.5	4	18	152.5	10-90 M3/Hr
9	4	100	230	220	22.5	8	16	190.5	20-200 M3/Hr

TURBINE FLOW METER DIMENSIONS :FLANGE



LINE SIZE	Dimention D(mm)	Dimention L(mm)	Dimention L1(mm)	Dimention H2(mm)	flow (Min)	Flow (max)
15(½")	15	140	45	75	12LPM	80LPM
25(1")	25	140	45	75	25LPM	160LPM
40(1.5")	40	140	45	45	40LPM	330LPM
50(2")	50	140	45	45	4m3/Hr	40m3/Hr

Sensor:50-65 Degree
120 Degree
Dimension Tolerance: +/-2mm