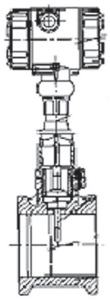
EPFT15-W Water Pipe Flow Transmitter



Function and Operation

Aseismatic sensor with a good capability.

- Without movability components, few pressure losing, high durable
- Output signal does not effected by medium temperature pressure and adhibit.
- Range width 10:1, 15:1, 20:1
- Flange connection. Easy to mounting and operating
- With adjustment; Digital filtrate function; to improve measurement precision.
- Cut the small signal
- Flux display

Technical data

1.Measure medium：Liquid, Gas, Steam.
2.Range of measurement: Under the normal working condition, renault 20,000 ～ 7,000,000; possible measure renault range 8,000 ～ 7,000,000.
3.Nicety:
a.Liquid，±0.5％;
b.Liquid，±1.0％;
c.Gas，±1.0％;
d.Steam，±1.0％;
e.Steam，±1.5％.
4.Out-put Signal:
a.3-line voltage impulse Low voltage:0 ～ 1V; High voltage: over 4V;
b.3-line current 4 ～ 20mA;
c.2-line current 4 ～ 20mA;
d.RS-485Communication connection。
5.Power Supply：+12VDC(Impulse input)；+24VDC(Current output /RS485Communication).
6.Medium temperature：
a. Common -40°C ～ +130°C;
b.High temperature -40°C ～ +300°C;
c.Especially high temperature -10°C ～ +380°C;
d.Riot protection -40°C ～ +80°C.
7.Working Pressure: 2.5MPa
8.Air Pressure: 86kPa ～ 106kPa。
9.Pressure losing: P ＝ 1.079×10-6×ρ×V2 (P-Losing Pressure MPa;ρ-Consistency of medium kg/m3; V-Velocity of medium flow m/s).
10.Cover Material: a.Carbon Steel；b.Stainless Steel(1Cr18Ni9Ti).
11.Ambient Temperature: -30°C ～ +60°C.
12.Relative Humidity: 5％～ 95％.
13.Protection Level: IP65, IP67.