



Features:

- Do not need to shut down the pipe flow when installing the transducers.
- It is suitable for pipe sizes ranging from 65 to 4000mm.
- For dirty liquids, a certain amount of air bubbles or suspended solids shall be contained.
- Excellent low flow rate measurement ability, low to 0.05m/s.
- A wide range of flow measurement, high flow rate can reach 12m/s.
- High-temperature transducer is suitable to liquids of $-35^{\circ}\text{C} \sim 150^{\circ}\text{C}$.
- User-friendly configuration.
- 4-20mA, Relay and OCT outputs.
- Accuracy: 2.0% Calibrated span.

Specifications:

Transmitter:

Measurement principle	Doppler ultrasonic
Resolution	0.25mm/s
Repeatability	0.2% of reading
Accuracy	0.5% -- 2.0% F.S.
Response time	2-60s for optional
Flow Velocity Range	0.05- 12 m/s
Liquid Types Supported	Liquids containing 100ppm of reflectors and at least 20% of the reflectors are larger than 100 micron.
Power Supply	AC: 85-265V DC: 24V/500mA
Enclosure type	Wall-mounted
Degree of protection	IP66 according to EN60529
Operating temperature	-20°C to +60°C
Housing material	Fiberglass
Measurement Channels	1
Display	2 line × 8 characters LCD, 8-digit rate or 8-digit total (resettable)
Units	User Configured (English and Metric)
Rate	Rate and Velocity Display
Totalized	gallons, ft ³ , barrels, lbs, liters, m ³ ,kg
Communication	4-20mA,Relay and OCT output
Keypad	4pcs buttons
Size	244(h)*196(w)*114(d)mm
Weight	2.4kg

Transducer:

Transducers Type	Insertion
Degree of protection	IP67 or IP68 according to EN60529
Suited Liquid Temperature	Std. Temp.: -35°C~85°C High Temp.: -35°C~150°C
Pipe diameter range	65-4000 mm
Transducer Size	Φ58*199mm
Transducer material	SUS304 (Std. Temp.) ; SUS304 + Peek (High Temp.)
Cable Length	Std: 10m

Configuration Code:

DF6100-EI Inersion Doppler Ultrasonic Flowmeter

Power supply

A 110VAC

B 220VAC

D 24VDC

S 65W Solar supply (including solar board)

Output Selection 1

N N/A

1 4-20mA

2 Relay

3 OCT

Output Selection 2

Same as above

Sensor Type

D Standard Insertion Transducer (DN65-4000)

Transducer Temperature

S -35~85°C

H -35~150°C

Pipeline Diameter

DNX e.g.DN65—65mm, DN1000—1000mm

Cable length

10m 10m (standard 10m)

Xm Common cable Max 300m(standard 10m)

XmH High temp. cable Max 300m

DF6100-EI — A — 1 — N /LDI— D — S — DN100 — 10m (example configuration)

Description:

Power supply: 110VAC; output: 4-20mA; transducer type: standard insertion transducer for DN65-4000; transducer temperature: -35 ~ 85°C; DN100 application; 10m transducer cables.