

BONT Doppler Handheld Ultrasonic Flow Meter LDF9100-EH



- Rechargeable battery can work up to 14 hour
- Suitable for pipe sizes ranging from 40-4000mm (DN40-DN4000)
- For dirty liquids ,a certain amount for air bubbles or suspended solids shall 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 liquid of -35°C ~ 200°C
- Do not need to shut down the pipe flow when installing the transducers
- 4-20mA, Relay Totalizer and Relay Alarm outputs
- Accuracy : $\pm 2.0\%$

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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	0.05~12m/s
Liquid Type Supported	Liquids containing 100ppm of reflectors and at least 20% of the reflectors are larger than 100 micron
Power Supply	AC: 85-265V
Enclosure type	Handheld
Degree of Protection	IP65 according to EN60529
Operating temperature	-20°C to +60°C
Housing material	ABS
Measurement Channels	1
Display	2 line x 8 characters LCD ,8-digit rate or 8-digit total (resettable)
Units	User Configured (English)
Rate	Rate and Velocity Display
Totalized	gallons ,ft ³ ,barrels ,lbs ,liters , m ³ , kg
Communication	4-20mA ,relays for totalizer and alarm output
Size	Transmitter :235x125x45mm Case:410x320x80mm
Weight	0.6kg

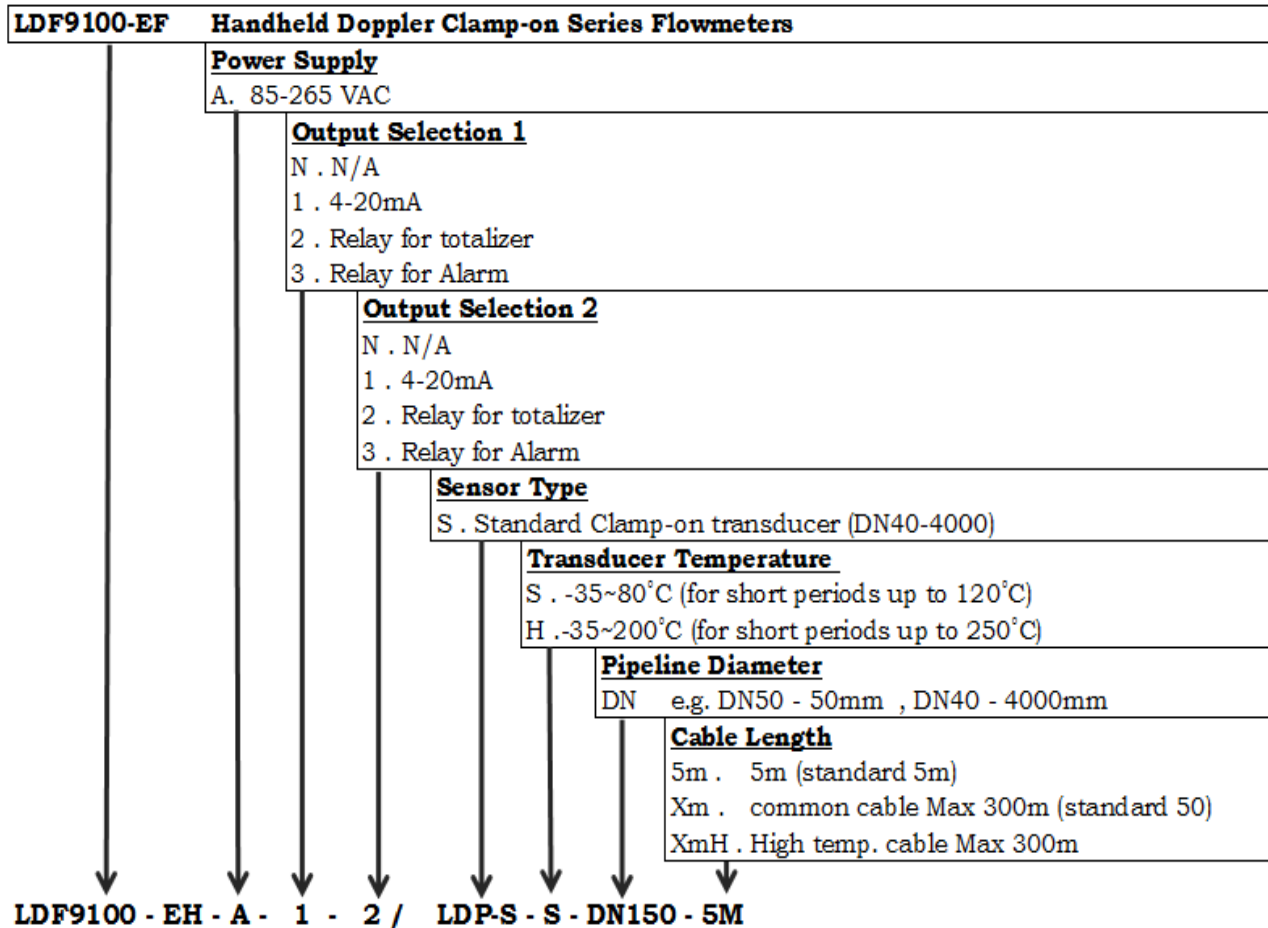
Specifications: Transducer

Transducer Type	Clamp-on
Degree of Protection	IP65, IP67 or IP68 according to EN60529
Suited liquid temperature	Std. Temp. :-35°C~85°C for short periods up to 120°C
	High Temp.: -35°C~200°C for short periods up to 250°C
Pipe diameter range	40-4000mm
Transducer Size	60(h)*34(w)*33(d)mm
Material of transducer	Aluminium for standard temp. sensor, peek for high temp. sensor
Cable Length	Std: 5m

Applications: Raw sewage, Activated sludge, Ground water, Pulp and paper slurries, Chemical slurries, Drainage, Mining recirculation.

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Model and Selection



Explanation:

Bont Doppler Handheld Ultrasonic Flow Meter, Power Supply: 85-265 VAC, Output 1 :4-20mA , Output2 :Relay totalize ,Standard Clamp-on Transducer ,Temp. -35~80°C, Pipe size: 150mm, Cable length: 5meter.

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