Flow Measurement SITRANS F US Clamp-on

SITRANS FUP1010
Water and Liquid check metering kits

Overview



There are two check kits available: SITRANS FUP1010 Water check metering kit for water and wastewater applications, and SITRANS FUP1010 Liquid check metering kit for liquid applications other than water. The kits have been developed especially for verifying the accuracy and performance of any brand or type of flowmeter. They can be used to verify the performance of meters based on any existing flow measurement principle: orifice, electromagnetic, ultrasonic, rotary piston, coriolis, etc. In addition, they measure practically all conductive or non-conductive clean or moderately aerated liquids or liquids with suspended solids.

Benefits

- Performance check or verification of any type or brand of flowmeter
- Field use is facilitated by meter portability and 7 hours or normal battery operation.
- Weatherproof enclosure withstands even severe weather conditions
- 1 MByte datalogger capability downloadable to PC via included RS 232 cable
- Fast, easy and cost-efficient on-site measurement of any convoluted pipe from 20 to 1200 mm (0.75 to 48")
- Delivered as an all inclusive kit in a sturdy rolling case that holds all the equipment needed to conduct performance and verification tests (cables, multiple sensors, flow transmitter etc.)

Application

The SITRANS FUP1010 Water and Liquid Check Metering Kits measure practically all conductive or non-conductive clean or moderately aerated liquids or liquids with suspended solids. This basic feature enables the performance check and verification of existing meters used in various water and wastewater applications such as:

Raw Water and sewage

- Potable water
- Chemicals
- Effluent and sludges
- Process control
- Batching
- · Rate indication
- Hot and cold water systems

Design

- IP67 weatherproof/impact resistant enclosure, constructed of mineral reinforced copolymer polypropylene
- Single channel

Function

- Integral 33 button keypad and large (128 x 240 pixel) graphic display visible up to 12 m (40 ft) away
- Current, voltage, frequency and RS 232 outputs (see Technical specification section for details)
- · ZeroMatic Path automatically sets zero
- Bi-directional flow operation
- 1 MByte data logger with both site and data logger storage
- English, Spanish, German, Italian and French language options

Technical specifications

50 1050 mm (2 42")
20 1200 mm (0.75 48")
±0.5 % ±2.0 % of flow rate
12 m/s (40 ft/s) bidirectional
-40 +104 °C (-40 220 °F)
IP67 (Weatherproof)

See page 3/332 for complete technical specifications

Cerificates	and	approvals
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Unclassified locations UL

ULc

Classified locations

CE

EMV Directive 2004/108/EC ATEX Directive 94/9/EC

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SITRANS FUP1010 Water and Liquid check metering kits

Select	ion and Ordering data	Article No.	
SITRA	NS FUP1010 Water Check Metering Kit	CQO:FUPW-WWKIT	
Content of delivery			
1	Single channel portable submersible flow transmitter		
1 pair	Universal sensor C3		
1 pair	Universal sensor E2		
1 pair	Doppler sensors		
1 pair	Mounting Ezclamp (2 mounting Ezclamp chains)		
1	Ladder chain		
1	Battery charger		
1 pair	20 ft sensor cable		
1	Cable - 1010WP/WDP to PC		
1	PinStop spacer bar (universal)		
1	Flow case		
1	Flowmeter manual		
1	Laminated card set		
1	Certificate of intrinsic calibration		

Select	ion and Ordering data	Article No.
SITRA	NS FUP1010 Liquid Check Metering Kit	CQO:FUS-LIQKIT
Conter	nt of delivery	
1	Single channel portable submersible transmitter	
1 pair	Universal sensor B3	
1 pair	Universal sensor C3	
1 pair	Universal sensor D3	
1 pair	Universal sensor E2	
1 pair	Doppler sensors	
1 pair	Sensor cables 6m (20 ft)	
1 pair	Mounting track	
1 pair	Mounting Ezclamp	
1	Spacer bar (portable)	
1	Ladder chain	
1	Battery charger	
1	RS 232 cable for PC connection	
1	Flow case	
1	Clamp-on flowmeter manual CD	
1	Flowmeter manual	
1	Laminated card set	
1	Certificate of intrinsic calibration	