Selection and Ordering data  Order-No. Ord. code  SITRANS FUP1010 Portable clamp-on  IP67 weather proof battery powered  IP67 weather  IP67 weather proof battery powered  IP6
• IP40 (NEMA 1) battery powered F) • 7ME3511-  Number of channels/ultrasonic beams  Single channel Dual channel / Dual beam 2  Standard flowmeter types and I/O configurations • Type 1 Standard • Reflexor capable - Graphic display - 2x 0 10 V - 2x 4 20 mA - 2x pulse outputs - 4x status logic  • Type 3 option adder - 7x 2x 6 20 mA analog in - 2x 17x 20 mA ana
Number of channels/ultrasonic beams  Single channel   1   1   1   1   1   1   1   1   1
Number of channels/ultrasonic beams   Single channel   1
Single channel Dual channel / Dual beam Dual c
Standard flowmeter types and I/O configurations   Charger Type A for Europe (CEET/T)   1
Standard flowmeter types and I/O configurations   Charger Type A for Europe (CEET/T)   1
**Tations**  **Type 1 Standard
• Type 1 Standard
- Fieflexor capable - Graphic display - 2x 0 10 V - 2x 4 20 mA - 2x pulse outputs - 4x status logic  - Type 3 option adder - 2x 4 20 mA analog in - 2x RTD  - 2x RTD  - Transducer cables (select proper quantity for active channels) no transducer cable 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 2x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) 2 1x PV
- 2x 0 10 V - 2x 4 20 mA - 2x pulse outputs - 4x status logic  • Type 3 option adder - 2x 4 20 mA analog in - 2x RTD  Transducer cables (select proper quantity for active channels) no transducer cable 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2x PVC jacket, length 15 m (50 ft) (for NEMA 12) 2x PVC jacket, leng
- 2x 4 20 mA - 2x pulse outputs - 4x status logic  • Type 3 option adder - 2x 4 20 mA analog in - 2x RTD  • Transducer cables (select proper quantity for active channels) no transducer cable 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) 2x PVC jacket, length 15 m (50 ft) (for NEMA 12) 3
- 4x status logic  • Type 3 option adder - 2x 4 20 mA analog in - 2x RTD  Transducer cables (select proper quantity for active channels) no transducer cable 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 6 m (20 ft) (for NEMA 6) <sup>1)</sup> 4x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 5x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 5x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 5x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 5x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 5x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 5x Plenum rated, length 6 m (20 ft) (for NEMA 6) <sup>1)</sup> 5x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 5x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2</sup> 5x PVC jacket, length 15
• Type 3 option adder - 2x 4 20 mA analog in - 2x RTD  Transducer cables (select proper quantity for active channels) no transducer cable 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 6 m (20 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2x PVC jacket, length 6 m (20 ft) (for NEMA 12) 2x PVC jacket, length 15 m (50 ft) (
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(select proper quantity for active channels)  no transducer cable  1x Plenum rated, length 6 m (20 ft) (for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 1x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 6 m (20 ft
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(for NEMA 6) <sup>1)</sup> 2x Plenum rated, length 15 m (50 ft) (for NEMA 6) <sup>1)</sup> 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 2x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 4 B3 universal to 5"/track mount C3 universal to 13"/mounting frame D3 universal to 24"/mounting frame E2 universal to 48"/mounting frame F4  42 universal to 48"/mounting frame F5  43 H (high precision) to 3"/track mount G6  44 H (high precision) to 3"/track mount H6  43 H (high precision) to 3"/track mount J7  43 H (high precision) to 3"/track mount J7  44 H (high precision) to 5"/track mount J7  55 H (high precision) to 5"/track mount L7  66 H (high precision) to 5"/track mount J7  67 H (high precision) to 5"/track mount L7  68 H (high precision) to 5"/track mount L7  69 H (high precision) to 5"/track mount L8  60 H (high precision) to 5"/track mount L8  61 H (high precision) to 5"/track mount L8  61 H (high precision) to 5"/track mount L8  62 H (high precision) to 24"/mounting frame M8
2x Plenum rated, length 15 m (50 ft) (for NEMA 6)¹)  1x PVC jacket, length 6 m (20 ft) (for NEMA 12)²)  2x PVC jacket, length 6 m (20 ft) (for NEMA 12)²)  1x PVC jacket, length 6 m (20 ft) (for NEMA 12)²)  4
(for NEMA 6)¹)  1x PVC jacket, length 6 m (20 ft) (for NEMA 12)²)  2x PVC jacket, length 6 m (20 ft) (for NEMA 12)²)  1x PVC jacket, length 6 m (20 ft) (for NEMA 12)²)  4 H  1x PVC jacket, length 15 m (50 ft) (for NEMA 12)²)  4 H  2x PVC jacket, length 15 m (50 ft) (for NEMA 12)²)  4 H  2x PVC jacket, length 15 m (50 ft) (for NEMA 12)²)  5 H  2x PVC jacket, length 15 m (50 ft) (for NEMA 12)²)  6 H  1x PVC jacket, length 15 m (50 ft) (for NEMA 12)²)  6 H  1x PVC jacket, length 15 m (50 ft) (for NEMA 12)²)  7 B1H (high precision) B1H (high precision) B2H (high precision) C1H (high precision)
1x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> Cx PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> G  A1H (high precision) to 3"/track mount G  A2H (high precision) to 3"/track mount H  1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> J  B1H (high precision) to 5"/track mount G  A3H (high precision) to 5"/track mount J  B1H (high precision) to 5"/track mount K  B2H (high precision) to 5"/track mount L  C1H (high precision) to 24"/mounting frame M
2x PVC jacket, length 6 m (20 ft) (for NEMA 12) <sup>2)</sup> 1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 4 H  2x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 4 H  3 H (high precision) A3H (high precision) B1H (high precision) B1H (high precision) B2H (high precision) B2H (high precision) B2H (high precision) C1H (high precision)
A1H (high precision) to 3"/track mount  G  A2H (high precision) to 3"/track mount  A2H (high precision) to 3"/track mount  H  A3H (high precision) to 3"/track mount  H  A3H (high precision) to 3"/track mount  B1H (high precision) to 5"/track mount  K  A2PVC jacket, length 15 m (50 ft)  (for NEMA 12) <sup>2)</sup> B1H (high precision) to 5"/track mount  K  B2H (high precision) to 5"/track mount  C1H (high precision) to 24"/mounting frame  M
1x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> 3 H (high precision) to 3"/track mount (for NEMA 12) <sup>2)</sup> 4 SH (high precision) to 5"/track mount (for NEMA 12) <sup>2)</sup> 5 SH (high precision) to 5"/track mount (for NEMA 12) <sup>2)</sup> 6 C1H (high precision) to 24"/mounting frame  7 M
(for NEMA 12)=7  2x PVC jacket, length 15 m (50 ft) (for NEMA 12) <sup>2)</sup> B1H (high precision) to 5"/track mount  L  C1H (high precision) to 24"/mounting frame  M
(for NEMA 12) <sup>2)</sup> C1H (high precision) to 24"/mounting frame
CTT (high precision) to 24 /mounting frame
Other versions Z K1Y C2H (high precision) to 24"/mounting frame • N
Other versions Z K1 Y C2H (high precision) to 24"/mounting frame ◆ N add Order code and plain text. N D1H (high precision) to 48"/mounting frame ◆ P
RTD temperature sensor D2H (high precision) to 48"/mounting frame Q
(for type 3 meter only, mounting hardware and cable included)  D4H (high precision) to 48"/mounting frame Doppler to 12" with chain kit
No RTDs  Other versions (different size, mount, type or Z P1Y
1x standard clamp-on RTD (NEMA 12) with 6 1 pipe larger than DN 1200 (48"), or corrosion
m (20 ft) cable 1) resistant), add Order code and plain text.  2x standard clamp-on RTD (NEMA 12) with 6 2 P1A
m (20 ft) cable <sup>1)</sup> 230 °C (446 °F) (30 to 200 mm diam. (1.18 to
1x standard clamp-on RTD (NEMA 12) with 3 7.67 inch diam.)) 15 m (50 ft) cable 1)  High temperature transducer size 3 for up to Z P1B
2x standard clamp-on RTD (NFMA 12) with 4 230 °C (446 °F) (150 to 610 mm diam. (5.90 to
24 inch diam.)) 15 m (50 ft) cable 1) High temperature transducer size 4 for up to Z P1C
1x standard clamp-on RTD (NEMA 6) with 6 m 5 230 °C (446 °F) (400 to 1200 mm diam. (15.75
2x standard clamp-on RTD (NEMA 6) with 6 m 6 High temperature range HP transducer size Z P1K
(20 ft) cable <sup>1)</sup> B1H for temperatures up to 104 °C (220 °F)
1x standard clamp-on RTD (NEMA 6) with 15
2x standard clamp-on RTD (NEMA 6) with 15 8 High temperature range HP transducer size Z P1M
m (50 ft) cable 1)  Other versions  C1H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size  Z P1N
Other versions add Order code and plain text.  9 L1Y High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)
Approvals: No options (UL, ULc, CE by default)   ◆ Mainstream products (delivery time 4 to 6 weeks)

<sup>1) -40 ... +200 °</sup>C (-40 ... +392 °F) 2) -40 ... +80 °C (-40 ... +176 °F)

Fig. 7 modular proof battery powered File 7 MESS10 - File 7 modular proof battery powered File 7 MESS10 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 7 modular proof battery powered File 7 MESS11 - File 8 modular proof battery powered File 7 MESS11 - File 8 modular proof battery powered File 7 MESS11 - File 8 modular proof battery powered File 7 MESS11 - File 8 modular proof battery powered File 7 MESS11 - File 8 modular power powers File 8 modular power powers File 8 modular powers File 9 modular powers File 8 modular power	Selection and Ordering data	Order-No.	Orc	d. cod	le	Selection and Ordering data	Order code	
• IP40 (NEMA 1) battery powered  Frameducer for channel 1 (continued) High tamperature range HP transducer size D1H for temperatures up to 104 (C (202 °F) High tamperature range HP transducer size D2 P10 D1H for temperatures up to 104 (C (202 °F) High tamperature range HP transducer size D2 P10 D2H for temperatures up to 104 (C (202 °F) High tamperature range HP transducer size D2 P10 D3 universal to 3 frack mount D3 universal to 13 frack mount D3 universal to 15 frack mount D3 universal to					_	Further designs		
Transducer for channel 1 (continued) High temperature range HP transducer size D1H for temperature range HP transducer size High temperature range HP transducer size High temperature use up to 104 °C (220 °F) High temperature use up to 104 °C (220 °F) High temperature use up to 104 °C (220 °F) High temperature use up to 104 °C (220 °F) High temperature use up to 104 °C (220 °F) Transducer for channel 2 (includes pipe mounting kit and spacer bar for incleated max, outer diameter Islaed) See, Transducer selection charts for specifications.  A 2 universal to 3 f/brack mount B 3 universal to 15 f/brack mount B 3 universal to 15 f/brack mount B 4 (High precision) to 3 f/brack mount B 11 (High precision) to 3 f/brack mount B 11 (High precision) to 5 f/brack mount B 11 (High precision) to 5 f/brack mount C 11 (H	IP67 weather proof battery powered F) ◆	7ME3510-				Please add "-Z" to Order No. and specify Order code(s).		
Transducer for channel 1 (continued) High temperature range HP transducer size Dit Hor temperature and pot 104 CC (202 Ph High temperature range HP transducer size Dit 107 Minutes at 105 Minu	IP40 (NEMA 1) battery powered	7ME3511-						
Franch   B12   Franch   B13   Franch   B14   High Imperature range HP transducer size   D14 for temperatures up to 104 °C (220 °F)   High Imperature range HP transducer size   D24 for temperatures up to 104 °C (220 °F)   High Imperature range HP transducer size   D26 for temperatures up to 104 °C (220 °F)   High Imperature range HP transducer size   D27 for temperatures up to 104 °C (220 °F)   High Imperature range HP transducer size   D26 SQ (248 °F) (500 °C (448 °F) (500 °C (248 °F) (500 °C		- 0	==0					
High temperature range HP transducer size DH for temperatures up to 104 °C (220 °F) ligh temperature range HP transducer size DH for temperatures up to 104 °C (220 °F) ligh temperature range HP transducer size DP for temperature sup to 104 °C (220 °F) ligh temperature range HP transducer size DP for temperature sup to 104 °C (220 °F) ligh temperature range HP transducer size DP for temperature sup to 104 °C (220 °F) ligh temperature range HP transducer size DP for themperature range HP transducer size DP for temperature range HP transduc	Transducer for channel 1 (continued)				Ť			
Unit for femperatures up to 104 °C (220 °F) High temperature range HP ransducer size D27 for temperatures up to 104 °C (220 °F) High temperature range by manufactures as D27 for temperatures up to 104 °C (220 °F) Transducer temperature range by manufactures as D27 for temperatures are up to 104 °C (220 °F) Transducer temperature range by manufactures as D27 for temperature range by manufactures as D28 for up to 230 °C (448 °F) (500 °C 200 °F) Transducer to 3 °F (220 °F) Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 4 °F (220 °F) High temperature range HP transducer size Transducer to 5 °F (200 °F) Transducer to 5 °F (200 °F) Transducer to 5 °F (200 °F) Transducer transducer to 5 °F (200 °F) Transducer to 5 °F (200 °F) Transducer transducer size Transducer to 5 °F (240 °F) Transducer transducer transducer size Transdu			Z	P 1 I	Р			
Wet flow transfer calibration   Did *C (220 *F)   High temperature range HP transducer size D4H for temperatures up to 104 *C (220 *F)   Transducer for channel 2   (notices pipe mounting kit and spacer bar for indicated max. outer diameter listed)   See , Transducer selection charts* for specifications   Transducer selection charts* for specifications   Did *C (220 *F)   Transducer selection charts* for specifications   Did *C (220 *F)   Transducer selection charts* for specifications   Did *C (220 *F)   Transducer selection charts* for specifications   Did *C (220 *F)   Did *C (			7	D 1 (	0	·	B14	
Dalf for temperatures up to 104 °C (220 °F)  Transducer for channel 2  (includes pipe mounting lkt and spacer bar for indicated max. Juler diametr listed)  See , Transducer selection charits' for specifications.  no transducer selection charits' for specifications.  A2 universal to 3'/track mount B3 universal to 13'/mounting frame D3 universal to 48'/mounting frame D5 universal to 48'/mounting frame D6 L2 universal to 48'/mounting frame D7 L2 universal to 18'/mounting frame D7 L2 universal D7 L2	D2H for temperatures up to 104 °C (220 °F)				٩	Wet flow transfer calibration		
includes pipe mounting kit and spacer bar for indicated max. Other dimenter listed) See , Transducer selection charts' for specifications.  no transducer selection charts' for specifications.  no transducer to 3"/track mount	D4H for temperatures up to 104 °C (220 °F)	Z P1R		R		D10		
Stainless steel tag with 2.2 mm (0.13 inch) character size (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character size (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Stainless steel tag with 2.2 mm (0.13 inch) character y19 surveys (26 characters max.)  • Mary surveys (26 characters max.)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time 4 to 6 weeks)  • Mainstream products (delivery time						Tag name plate		
The standard of the standard	for indicated max. outer diameter listed) See "Transducer selection charts" for specifi-						Y17	
B3 universal to 13"/mounting frame	no transducer						Y19	
O3 universal to 13"/mounting frame						◆ Mainstream products (delivery time 4 to 6 weeks)		
D3 universal E2 universal E3 universal E4 universal E5 universal E5 universal E5 universal E6 universal E7 universal E8 universal E8 universal E8 universal E8 universal E8 universal E9 universal E8 universal E8 universal E9 universal E8 universal E8 universal E9 universal E8 universal E9 universal E9 universal E8 universal E9 un								
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A2H (high precision) to 3"/track mount A3H (high precision) to 3"/track mount B3H (high precision) to 5"/track mount B3H (high precision) to 5"/track mount C1H (high precision) to 5"/track mount C2H (high precision) to 24"/mounting frame C2H (high precision) to 42"/mounting frame D3H (high precision) to 48"/mounting frame D4H (high precision) to 48"/mounting frame D4H (high precision) to 48"/mounting frame D4	g .				ı	MIED		
ASH (high precision) to 3"/track mount B1H (high precision) to 5"/track mount to 5"/	the state of the s					MLFB example		
Bith (high precision) to 5°/track mount 2H (high precision) to 5°/track mount CTH (high precision) to 24°/mounting frame 2PH (high precision) to 24°/mounting frame 2PH (high precision) to 24°/mounting frame 3PH (high precision) to 24°/mounting frame 3PH (high precision) to 24°/mounting frame 3PH (high precision) to 48°/mounting frame 4PH (high precision) to 48°/mount	, , ,					Application example		
C1H (high precision) to 24*/mounting frame   C2H (high precision) to 24*/mounting frame   D2H (high precision) to 48*/mounting frame   D2H (high temperature range HP transducer size   D2H (high	B1H (high precision) to 5"/track mount					A general survey portable flowmeter is required for	pipes sizes	
C2H (high precision) to 24"/mounting frame D1H (high precision) to 48"/mounting frame D2H (high precision) to 48"/mounting frame D2H (high precision) to 48"/mounting frame D3H (high precision) to 4								
DIH (high precision) to 48"/mounting frame D2H (high precision) to 48"/mounting frame D2H (high precision) to 48"/mounting frame D3H (high precision) to 48"/mounting frame D4H (high precision) to 48"/mounting frame D4H (high precision) to 48"/mounting frame D4H (high precision) to 48"/mounting frame D5H (high precision) to 48"/mounting frame D6H (high precision) to 48"/mounting frame D7H (high precision) to 48"/mounting frame D8H (high precision) to 4	, , ,						ia, somoa	
D4H (high precision) to 48"/mounting frame Doppler to 12" with chain kit Other versions (different size, mount, type or pipe larger than DN 1200 (48"), or corrosion resistant), add Order code and plain text.  High temperature transducer size 2 for up to 230 °C (446 °F) (30 to 200 mm diam. (1.18 to 7.67 inch diam.))  High temperature transducer size 3 for up to 230 °C (446 °F) (150 to 610 mm diam. (5.90 to 24 inch diam.))  High temperature transducer size 4 for up to 230 °C (446 °F) (400 to 1200 mm diam. (15.75 to 47.25 inch diam.))  High temperature range HP transducer size B1H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size E2H for temperature range HP transducer size C2H for temperature range HP transducer size C2H for temperature range HP transducer size D1H for temperature range HP transducer size D2H for temperature range HP transducer size D3H for temperature range HP	D1H (high precision) to 48"/mounting frame					Requires language support for German.		
Doppler to 12° with chain kit  Other versions (different size, mount, type or pipe larger than DN 1200 (48°), or corrosion resistant), add Order code and plain text.  High temperature transducer size 2 for up to 230 °C (446°°F) (30 to 200 mm diam. (1.18 to 7.67 inch diam.))  High temperature transducer size 3 for up to 230 °C (446°°F) (150 to 610 mm diam. (5.90 to 24 inch diam.))  High temperature transducer size 4 for up to 230 °C (446°°F) (400 to 1200 mm diam. (15.75 to 47.25 inch diam.))  High temperature range HP transducer size B1H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D1H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D1H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)	, , ,							
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pipe larger than DN 1200 (48"), or corrosion resistant), add Order code and plain text.  High temperature transducer size 2 for up to 230 °C (446 °F) (30 to 200 mm diam. (1.18 to 7.67 inch diam.))  High temperature transducer size 3 for up to 230 °C (446 °F) (150 to 610 mm diam. (5.90 to 24 inch diam.))  High temperature transducer size 4 for up to 230 °C (446 °F) (150 to 610 mm diam. (5.90 to 24 inch diam.))  High temperature transducer size 4 for up to 230 °C (446 °F) (400 to 1200 mm diam. (15.75 to 47.25 inch diam.))  High temperature range HP transducer size B1H for temperaturer up to 104 °C (220 °F)  High temperature range HP transducer size B2H for temperaturer up to 104 °C (220 °F)  High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size C2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size D2H for temperature range HP transducer size D2H for temperatures up to 104 °C (220 °F)				Q 1 Y	Υ			
FUP1010 meter family  FUP101 meter family  FUP101	pipe larger than DN 1200 (48"), or corrosion			-		Selection and Ordering data Order-No.	Ord. code	
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D2H for temperatures up to 104 °C (220 °F)  High temperature range HP transducer size  Z Q1R			Z	Q 1 I	Р			
			Z	Q 1 (	Q			
			Z	Q 1 F	R			

## **Transducer Selection Charts**

Universal transducers for any pipe material						
Trans- ducer	Order Code	Outer diameter range (mm)		Outer diameter range (inches)		
Size Code		min	max	min	max	
A2	В	12.7	50.8	0.5	2	
B3	С	19	127	0.75	5	
C3	D	51	305	2	12	
D3	E	203	610	8	24	
E2	F	254	6096	10	240	

## High precision transducers for steel pipe with outer diameter/wall thickness ratio > 10

Trans- ducer	Order Code	Pipe wal	Pipe wall (mm)		Pipe wall (inches)	
Size Code		min	max	min	max	
A1H	G	0.64	1.02	0.025	0.04	
A2H	Н	1.02	1.52	0.04	0.06	
АЗН	J	1.52	2.03	0.06	0.08	
B1H	K	2.03	3.05	0.08	0.12	
В2Н	L	3.05	4.06	0.12	0.16	
C1H	M	4.06	5.84	0.16	0.23	
C2H	N	5.84	8.13	0.23	0.32	
D1H	P	8.13	11.17	0.32	0.44	
D2H	Q	11.18	15.75	0.44	0.62	
D4H	R	15.75	31.75	0.62	1.25	