



| Unit | KATflow 100 | KATflow 150 | KATflow 170 |
|-------------------------|--|--|--|
| Model type | Fixed installation | Fixed installation | Fixed installation |
| Pipe diameter range | 10 ... 3,000 mm | 10 ... 6,500 mm | 10 ... 3,000 mm |
| Temperature range | - 30 ... +80 °C (-22 ... +176 °F) | - 30 ... +250 °C (-22 ... +482 °F) | - 50 ... +115 °C (-58 ... +239 °F) |
| Measurement channels | 1 | 1 or 2 ¹⁾ | 1 or 2 ¹⁾ |
| Flow velocity range | 0.01 ... 25 m/s | 0.01 ... 25 m/s | 0.01 ... 25 m/s |
| Accuracy of volume flow | ±1 ... 3 % of measured value ±0.5 % process calibrated | ±1 ... 3 % of measured value ±0.5 % process calibrated | ±1 ... 3 % of measured value ±0.5 % process calibrated |
| Accuracy range | 0.25 ... 25 m/s | 0.25 ... 25 m/s | 0.25 ... 25 m/s |
| Weight | 750 g | 2,3 kg | 4,0 kg |
| Battery life | n/a | n/a | n/a |
| Power supply | 100 ... 240 V AC or 9 ... 36 V DC | 100 ... 240 V AC or 9 ... 36 V DC | 100 ... 240 V AC or 9 ... 36 V DC |
| Display | LCD graphic display, 128 x 64 dots, backlit | LCD graphic display, 128 x 64 dots, backlit | LCD graphic display, 128 x 64 dots, backlit |
| Process inputs | PT100 temperature ³⁾ , 0/4 ... 20 mA | PT100 temperature ³⁾ , 0/4 ... 20 mA | PT100 temperature ³⁾ , 0/4 ... 20 mA |
| Process outputs | 0/4 ... 20 mA, pulse (OC), digital relay, frequency, voltage, HART* compatible | 0/4 ... 20 mA, pulse (OC), digital relay, frequency, voltage, HART* compatible | 0/4 ... 20 mA, pulse (OC), digital relay, frequency, voltage, HART* compatible |
| Communication | RS 232, USB, RS 485, Modbus RTU | RS 232, USB, RS 485, Modbus RTU, Profibus PA | RS 232, USB, RS 485, Modbus RTU, Profibus PA |
| Internal data logger | Yes | Yes | Yes |
| Wall thickness gauge | n/a | n/a | n/a |
| Energy metering | Yes ⁴⁾ | Yes ⁴⁾ | Yes ⁴⁾ |
| Ex-approved version | n/a | Yes | Yes |

1) For simultaneous measurement on two separate pipes or for measurement on one single pipe in a two-path sensor mounting configuration.

2) For charging of internal batteries and supply of flowmeter with power when connected to mains electricity socket (100 ... 240 V AC input).

3) + 4) For contactless measurement of thermal energy consumption. Displayable units: W, kW, MW, J, kJ, MJ, BTU (on request).

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| Unit | KATflow 200 | KATflow 210 | KATflow 230 |
|-------------------------|---|---|---|
| Model type | Portable | Portable | Portable |
| Pipe diameter range | 10 ... 6,500 mm | 50 ... 2,500 mm | 10 ... 6,500 mm |
| Temperature range | - 30 ... +250 °C (-22 ... +482 °F) | - 30 ... +130 °C (-22 ... +266 °F) | - 30 ... +250 °C (-22 ... +482 °F) |
| Measurement channels | 1 | 1 or 2 | 1 or 2 |
| Flow velocity range | 0.01 ... 25 m/s | 0.01 ... 25 m/s | 0.01 ... 25 m/s |
| Accuracy of volume flow | ±1 ... 3 % of measured value ±0.5 % process calibrated | ±1 ... 3 % of measured value ±0.5 % process calibrated | ±1 ... 3 % of measured value ±0.5 % process calibrated |
| Accuracy range | 0.25 ... 25 m/s | 0.25 ... 25 m/s | 0.25 ... 25 m/s |
| Weight | 650 g | 6.0 kg | 2.0 kg |
| Battery life | Up to 24 h | Up to 100 days with 3 Cells | Up to 24 h |
| Power supply | 100 ... 240 V AC (mains socket) ²⁾ | 100 ... 240 V AC (mains socket) ²⁾ | 100 ... 240 V AC (mains socket) ²⁾ |
| Display | LCD graphic display, 128 x 64 dots, backlit | LCD graphic display, 128 x 64 dots, backlit | LCD graphic display, 128 x 64 dots, backlit |
| Process inputs | No | 0/4 ... 20 mA | PT100 temperature ³⁾ , 0/4 ... 20 mA |
| Process outputs | No | 0/4 ... 20 mA, pulse (OC), digital relay | 0/4 ... 20 mA, pulse (OC), digital relay |
| Communication | RS 232, USB | USB | RS 232, USB |
| Internal data logger | Yes | Yes | Yes |
| Wall thickness gauge | Yes | Yes | Yes |
| Energy metering | n/a | n/a | Yes ⁴⁾ |
| Ex-approved version | n/a | n/a | n/a |

1) For simultaneous measurement on two separate pipes or for measurement on one single pipe in a two-path sensor mounting configuration.

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