



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.

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

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