

# KDK50F

KD Series Heating And Cooling Meter, DN100  
Flanged Stainless Steel, 60 m<sup>3</sup>/h Nominal, Flow  
Meter

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## Main

Range of product	KD Series
Product or component type	Heat and cool energy meter
Type of measurement	Heating & cooling
Device application	Energy metering Sub-metering
Location	Plant room
Device composition	Keypad
Calibration certificate	Yes
Colour	Off white
Depth	200 mm
Height	200 mm
Net weight	21.7 kg
Width	360 mm
Display type	LCD
Enclosure material	Thermoplastic, PC 10 % GF with TPE
Energy units	MWh KWh GJ Gcal
Field programmable	Yes
Fitting material	Stainless steel
Fitting size	DN100
Fitting type	Flanged
Flow measurement accuracy	+/- 1 %
Flow measurement range	0.6...120 m3/h
Sensor type	Ultrasonic sensor flow Thermistor temperature
[Ui] rated insulation voltage	3.75 kV
IP degree of protection	IP65
Controlled fluid	Water
Meter location	Flow line
Operating fluid temperature	2...130 °C
Relative humidity	0...100 % RH, non-condensing
Ambient air temperature for operation	5...55 °C
Output type	Analog
Pipe material	Metallic Polymer
Network frequency	50 Hz 60 Hz
Pressure rating	PN25
Product certifications	BEK1178[RETURN]MID
Standards	EN 1434 class A (MID Class E1) EN 1434 class C (MID Class E2)
Storage Relative Humidity	0...100 % RH, non-condensing
Ambient air temperature for storage	-25...60 °C
[Us] rated supply voltage	230 V AC 24 V AC 161...264 V AC 12...36 V AC

Temperature measurement accuracy	+/- 4 %
Measurement temperature	2...130 °C

### Complementary

Totalizer quantities	1
Function available	Logging Totalizer resetable
Maximum sensing distance	360 mm
Maximum power consumption in W	1 W
Pressure drop	0.14 bar
Display resolution	7 digits
Clamping connection capacity	<= 1 mm <sup>2</sup>

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	52.0 cm
Package 1 Width	83.4 cm
Package 1 Length	55.2 cm
Package 1 Weight	22.52 kg