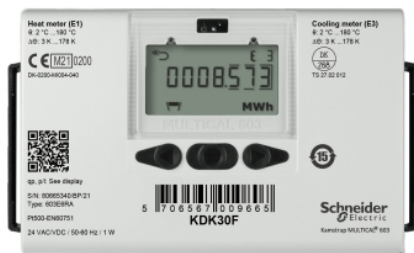


# KDK30F

KD Series Heating And Cooling Meter, DN40  
Flanged Stainless Steel, 10 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<br>Sub-metering                                  |
| Location                              | Plant room   |
| Device composition                    | Keypad   |
| Calibration certificate               | Yes  |
| Colour                                | Off white  |
| Depth                                 | 140 mm   |
| Height                                | 140 mm   |
| Net weight                            | 7.5 kg   |
| Width                                 | 300 mm   |
| Display type                          | LCD  |
| Enclosure material                    | Thermoplastic, PC 10 % GF with TPE                               |
| Energy units                          | MWh<br>KWh<br>GJ<br>Gcal   |
| Field programmable                    | Yes  |
| Fitting material                      | Stainless steel  |
| Fitting size                          | DN40   |
| Fitting type                          | Flanged  |
| Flow measurement accuracy             | +/- 1 %  |
| Flow measurement range                | 0.1...20 m3/h  |
| Sensor type                           | Ultrasonic sensor flow<br>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<br>Polymer  |
| Network frequency                     | 50 Hz<br>60 Hz   |
| Pressure rating                       | PN25   |
| Product certifications                | BEK1178[RETURN]MID   |
| Standards                             | EN 1434 class A (MID Class E1)<br>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<br>24 V AC<br>161...264 V AC<br>12...36 V AC            |

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

### Complementary

|                                |                                 |
|--------------------------------|---------------------------------|
| Totalizer quantities           | 1                               |
| Function available             | Logging<br>Totalizer resettable |
| Maximum sensing distance       | 300 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             | 21.0 cm |
| Package 1 Width              | 36.4 cm |
| Package 1 Length             | 25.2 cm |
| Package 1 Weight             | 9.04 kg |