

Data sheet

NB-IoT Water Meter Pit Antenna EU

**For water meters flowIQ®
2200 & 3200**

- KWM2230 & KWM3230

- Antenna specifically designed for KWM series NB-IoT water meters
- 3-pin connector for NB-IoT water meters
- Increasing the readable range



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General information

The Kamstrup NB-IoT Water Meter Pit Antenna enhances the meter's readable range, ensuring optimal data transfer even in challenging locations like pits.

The NB-IoT Pit Antenna is equipped with a circular antenna head and comes with an integrated cable terminating in a 3-pin connector for Kamstrup Water Meters flowIQ® 2200 and flowIQ® 3200 with NB-IoT.

The antenna cable must never be altered or damaged.

Electrical Specifications

Frequency	791 - 960 MHz	1710 - 2200 MHz
VSWR in free Space	< 4:1*	< 2:1*
Antenna efficiency [dB]	-4*	-5*
Max 3D Gain [dBi]	1*	1.5*

Impedance	50 Ω
Polarization	Linear
Radiation pattern	Omnidirectional

*Antenna measurement performed with 2m cable

Mechanical and Environmental Specifications

Dimensions (Diameter x Height)

Antenna element	160 mm x 25 mm
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Connector	Proprietary 3-pin connector
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Material

Antenna elements	Metal
Dielectric	Poly Carbonate and Urethane

Temperature

Operational	-40 °C to 70 °C / -40 °F to 158 °F
Storage	-20 °C to 55 °C / -4 °F to 131 °F

Ordering

The following variants are available:

Antenna model	Part number
NB-IoT Water Meter Pit Antenna EU 2m cable	6699669
NB-IoT Water Meter Pit Antenna EU 7.5m cable	6699670
Cover + seal, blue	6556567
Cover + seal, red	6556568

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