

Data sheet

Kamstrup READy Collector

- Data collector for smart meter reading
- Rugged design
- 2-way intelligent network
- High level of security, individual encryption keys
- Optional Cellular connection
- Intelligent power management
- Instant event notification
- Plug-and-play installation



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A READy Suite component

The Kamstrup READy Collector is a central easy to use two way network component in your AMI network. The data is collected from the meters, stored until the planned transmission and displayed in READy Manager the Meter Data Management software. The data can be collected in a number of differing time frames up to hourly readings, and If an event occurs, this data will be transmitted immediately, independent of your data scheme.

The Kamstrup READy Collector is a rugged design that is to be used in the harshest of conditions, such as at the top of towers or elevated storage tanks, where service can be difficult. Temperature extremes and lightning protection has been thoughtfully included in the engineering of the collector unit. Other important features of the system is that no coax is necessary between the Collector unit and bottom unit, just standard off the shelf wiring components. The bottom unit has been built with industrialized components incorporating multiple surge protection systems, and power supply for use in the most challenging conditions.

Features

- Easiest to learn and understand system available
- No IT experience necessary
- Built in redundancy
- Fault tolerant system
- Two-way communication
- High-level security all the way
- Intelligent power management
- Instant event notification

Technical data

The Kamstrup READy Collector can be ordered as prepared for one and up to four READy Collector top units. The system consists of a READy Collector Base unit supplying power and network for the READy Collector Top unit. Both a READy Collector Top and a READy Collector Base are required.

Kamstrup READy Collector Top

Dimensions (without connections)	10.2 x 6.3 x 3.6 inches 260 x 160 x 91 mm
Weight	6.23 lb 2.85 kg
Operating temperature	-22 to 149 °F [-30 to 65 °C]
Storage temperature	-40 to 185 °F [-40 to 85 °C]
Enclosure rating	NEMA 4, IP66
Power input	24 VDC
Frequency	450 - 470 MHz FCC license required
Capacity	Up to 25.000 Kamstrup Water meters
Supported meters	flowIQ® 2250 and 3250



Kamstrup READy Collector Base

Dimensions (without connections)	15.5 x 12.3 x 7.1 inches 394 x 313 x 181 mm
Weight	Dependant on configuration
Operating temperature	-22 to 149 °F [-30 to 65 °C]
Storage temperature	-40 to 185 °F [-40 to 85 °C]
Enclosure rating	NEMA 4, (IP66)
Power input	110-265 VAC 50/60 Hz
Power output	24 VDC/10 A



AMI-antenna

Length	58 inches
Frequency	440 - 470 MHz
Gain	3 dB



Antenna cables

6.5 feet [2 m]
16.4 feet [5 m]



Technical data

Power cable to READy Collector Top

Length between READy Collector Top and Base:

6.5 feet (2 m)

50 feet (15 m)

80 feet (24.5 m)

150 feet (45.7 m)

200 feet (61 m)

240 feet (73 m)

Note: Must match length with the Ethernet cable.



Ethernet cable to READy Collector Top

Length between READy Collector Top and Base:

6.5 feet (2 m)

50 feet (15 m)

80 feet (24.5 m)

150 feet (45.7 m)

200 feet (61 m)

240 feet (73 m)

Note: Must match length with the Power cable.



Sierra Wireless modem

For the READy Collector Base



GSM antenna

Used for the Sierra Wireless modem

Comes with a 16'4" cable



Ordering data

To order the READy Collector Base with all equipment use order number: **READyCollector**.

Order the Ready Collector Top on: **6696100000**

For individual ordering, use the following order numbers:

READy Collector Top

READy Collector Top	6696100000
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READy Collector Base

READy Collector Base without modem	6696200000
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READy Collector Base with modem	6696210000
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Note: Antenna for modem not included, see accessories

Accessories

AMI Antenna

Note: The system requires two antennas for each READy Collector Top	6697450
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Antenna cables for READy Collector top

Cable between READy Collector Top and AMI antennas

6.5 feet (2 m)	5000 398
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16.4 feet (5 m)	5000 388
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Note: The system requires a pair of two equally lengths

Ethernet cable to READy Collector

Length between READy Collector Top and Base

6.5 feet (2 m)	5000 476
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50 feet (15 m)	5000 478
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80 feet (24.5 m)	5000 480
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150 feet (45.7 m)	5000 482
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200 feet (61 m)	5000 484
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240 feet (73 m)	5000 486
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Note: Must match length with the power cable

Power cable to READy Collector

Length between READy Collector Top and Base

6.5 feet (2 m)	5000 477
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50 feet (15 m)	5000 479
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80 feet (24.5 m)	5000 481
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150 feet (45.7 m)	5000 483
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200 feet (61 m)	5000 485
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240 feet (73 m)	5000 487
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Note: Must match length with the Ethernet cable

Installation parts

Bracket kit for READy Collector Top	5915 519
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Antenna beam 39" (1 m)	5000 474
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Bracket for Antenna beam	5000 475
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Modem

SIERRA Wireless Modem RV50X	1308101
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Antenna for SIERRA Wireless Modem RV50X	1653105
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Approvals and Markings

FCC part 90 and part 15B.

FCC ID: READYAMI

The READy Collector Base is build using UL listed products.

