

Metering

Mobile Data Collector

WTT665-BD5000



The WTT665-BD5000 mobile data collector receives data sent from measuring devices and forwards it over Bluetooth to a mobile computer (Netbook / PDA).

- Wireless meter readout
- Readout of walk-by telegrams
- Readout of telegrams in S-mode and C-mode
- Troubleshooting
- Easy to operate

Application

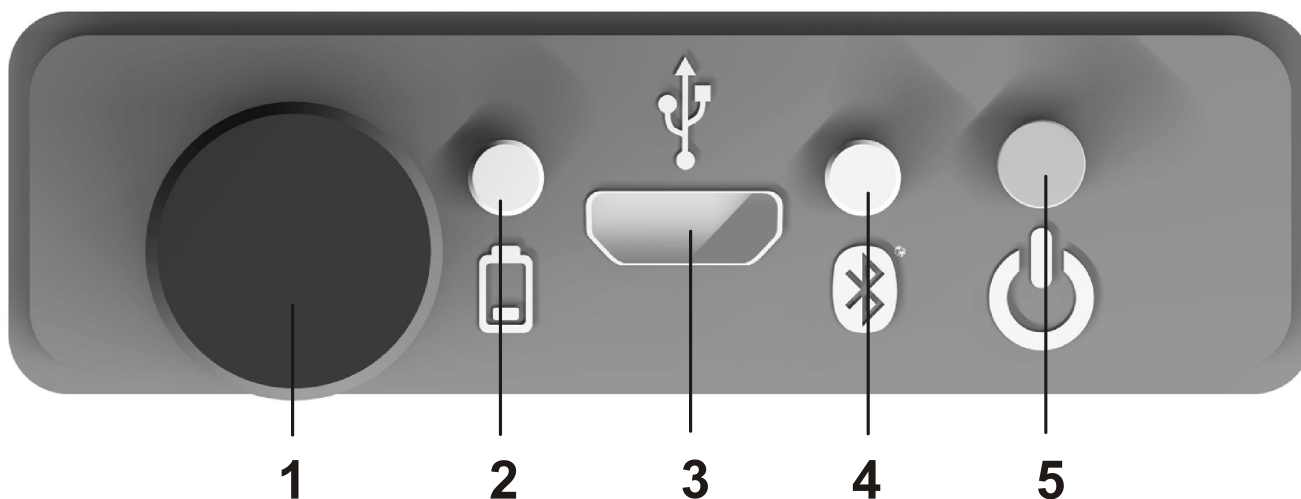
The WTT665-BD5000 mobile data collector is a component of the walk-by system. Meters equipped with a walk-by radio interface send their data at regular intervals during a timeframe configured during engineering. During this timeframe, the mobile data collector can read the data remotely, i.e. you no longer need to enter private or business premises. Devices built into the plant with S-mode and C-mode can be read by the mobile data collector without a problem.

Functions

The mobile data collector is easy to use and requires no additional configuration. The mobile data collector is battery operated. The mobile data collector has a radio receiver that logs the data on individual meters in real time and transmits it immediately to the mobile computer via Bluetooth, where it is collected, managed, and edited as needed, using the ACT46.PC software. Data is not saved to the mobile data collector. A meter with a radio fault is displayed on the ACT46.PC readout software. The mobile data collector is switched off to save batteries if there is no Bluetooth connection to the mobile computer for more than 5 minutes. LEDs on the data collector indicate when the battery charge drops below 20%.

Display

The mobile data collector has the following operating and signal elements:



A6V10986924Z01

- 1 Antenna
- 2 LED – Battery charge
- 3 Micro USB plug
- 4 LED – Commissioning and Bluetooth activity
- 5 On and off switch

Type summary

The following device types are available:

Designation	Order number	Type
Mobil Data Collector	JXF:WTT665-BD5000	WTT665-BD5000

Scope of delivery

The data collector includes operating instructions in various languages as well as a charging cable.



NOTICE

It does **NOT** include a power supply, but does have a 1 m USB cable.
Use a standard, off-the-shelf USB power supply (5 V/1A).

Accessories

Type	Order number	Designation
Readout software \geq Version 1.8.0	JXF:ACT46.PC	ACT46.PC

Equipment combinations

The mobile data collector reads the following devices:

RF modes	Devices
S-mode	Measuring device generation \geq 5.0
C-mode	Measuring device generation \geq 5.5

Product documentation

Topic	Title	Document ID
Operating and installation instructions	Mobile data collector	A6V10986929_----_a

Languages


Operating instructions are included in the following languages:

Bulgarian, German, English, Finnish, French, Greek, Italian, Croatian, Lithuanian, Dutch, Norwegian, Polish, Rumanian, Slovakian, Slovenian, Spanish, Czech, Turkish, and Hungarian.

Related documents such as environmental declarations, CE declarations, etc., can be downloaded at the following Internet address:

<http://siemens.com/bt/download>



Safety

	⚠ CAUTION
	<p>National safety regulations Failure to comply with national safety regulations may result in personal injury and property damage.</p> <ul style="list-style-type: none"> • Observe national provisions and comply with the appropriate safety regulations.

Maintenance

The mobile data collector is maintenance free.

Disposal

 	<p>The device is considered an electronics device for disposal in terms of European Directive 2012/19/EU and may not be disposed of as domestic garbage.</p> <ul style="list-style-type: none"> • Dispose of the device through channels provided for this purpose. • Comply with all local and currently applicable laws and regulations. • Dispose of empty batteries in designated collection points.
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Warranty

Technical data on specific applications are valid only together with Siemens products listed under "Equipment combinations". Siemens rejects any and all warranties in the event that third-party products are used.

Technical data

Power supply	
Battery type	Lithium ion (rechargeable / cannot be replaced) 3.7 V / 1300mAh
Battery charging	USB 5 V/1A/3h (0...45 °C)
Operational	Up to 10 hours
Power consumption	<ul style="list-style-type: none"> • Standby • With Bluetooth connection
Charging connection	MICRO USB type B

Communication	
Bluetooth	4.1 Smart Ready Compatible with Bluetooth 2.0 devices and newer
HF output power	Max. 4 dBm
Sensitivity	-96 dBm
RF	
RF	
S-mode	868.3 MHz
C-mode	868.95 MHz
Sensitivity	Typical -105 dBm
RF protocol	Wireless M-bus per EN 13757-4

Safety class and degree of protection	
Protection class	III
Degree of protection of housing	IP40

Environmental conditions			
	Normal operation EN 60721-3-7	Transportation EN 60721-3-2	Storage EN 60721-3-1
Temperature	-5...45/55 °C	-20...60 °C	-5...45 °C
Humidity	<93% r.h. at 25 °C (non-condensing)	<93% r.h. at 25 °C (non-condensing)	<93% r.h. at 25 °C (non-condensing)
Environmental conditions	7K2	2K2	1K3
Max. elevation	Min. 700 hPa (corresponding to max. 2000 m above sea level)		

Standards, directives and approvals	
Product standards	EN 60950-1 Information technology equipment
EU conformity (CE)	A5W00027598 *)
Environmental compatibility	The product environmental declaration A5W00005717 *) contains data on environmentally compatible product design and assessments (RoHS compliance, materials composition, packaging, environmental benefit, disposal).
*) Documents can be downloaded at http://siemens.com/bt/download .	

External features	
Dimensions (L x W x T)	199 x 72 x 35 mm (refer to "Dimensions")
Housing material	ABS
Housing color	Black
Weight	0.284 kg (including package inserts and cable)

Dimensions

Dimensions in mm

