

Certificate Holder: Badger Meter Inc.,
4545 W Brown Deer Road,
Milwaukee, WI. 53223
United States

Product Manufacturer: See Certificate Holder

Product Designation: Orion® Cellular HLB

Product Description: System for remote meter reading



Bundesnetzagentur

BNetzA-bS-02/51-52

authorized by the German
Government to act as Notified
Body in accordance with the
RE Directive 2014/53/EU of
16 April 2014.

Conformity Assessment:

Essential requirements	Examined documentation	Result
Safety RED, Article 3.1a	Technical documentation including test report(s)	conform
Health RED, Article 3.1a	Technical documentation including test report(s)	conform
EMC RED, Article 3.1b	Technical documentation including test report(s)	conform
Radio spectrum RED, Article 3.2	Technical documentation including test report(s)	conform

EU Type Examination Certificate:

In accordance with Annex III of the European Council Directive 2014/53/EU on radio equipment, we state that the identified equipment type complies with the essential requirements stated above. The scope of this evaluation relates to the submitted documents only.

Marking:

The product shall be marked with the CE marking as required in the Council Directive 2014/53/EU.

Annexes:

The certificate is only valid in conjunction with the following number of annexes: 1

Validity:

The validity of this certificate is limited to 5 years after the date of issue. Revisions of the applied standards and/or modifications of the approved type that may affect the conformity of the radio equipment with the essential requirements of Directive. 2014/53/EU may also have an impact on the validity of this certificate.

Certificate Registration No.:

EU23-0052-01-TEC

CTC advanced GmbH

CE 0682

Authorized signature / title

Product Characteristics:

Hardware version:	Host 1 / Radio 1
Software version:	Host 2 / Radio 4.3.6.0
GSM / LTE:	
Frequency band(s):	GSM /GPRS/EDGE 900/1800 LTE (FDD 1, 3, 8, 20, 28)
Power class:	GSM 900: 4 / GSM 1800: 1 / LTE: 3
Other characteristics:	
Operating temperature:	-20 – 60 °C
Power supply:	3.3v – 3.75v DC powered by battery

Conformity Assessment:

Essential requirements	Examined documentation
	EN 62368-1:2014+A11:2017, EN 60950-22:2016
Safety	-No.: REP006046 issued by Nemko USA
	EN IEC 62311:2020 Council Recommendation 1999/519/EC
Health	-No.: EMC_BADGE_017_21001_CE_MPE issued by CETECOM Inc.
	EN 301 489-1 V2.2.3, EN 301 489-52 V1.2.1 EN 55032:2015+AC:2016, EN 55035:2017
EMC	-No.: EMC_BADGE_017_21001_EN301489 issued by CETECOM Inc.
	EN 301 511 V12.5.1, EN 301 908-1 V13.1.1, EN 301 908-13 V13.1.1
Radio spectrum	-No.: MP_009824 issued by CETECOM Inc. -No.: 1960171R-PT002 issued by DEKRA Testing and Certification Co., Ltd.