

Certificate registration number: G3.1911.342.2.C4

Certificate holder: Inhemeter Co., Ltd.

Product designation: i100, Hardware version INHE-i100-e5g-0a01, Firmware version 3.04.00

Certification date: November 1st, 2019

This certificate indicates the above mentioned product successfully completed certification testing with regards to the reference specification ITU G.9903 (08-2017). The optional feature coherent mode of the G3-PLC protocol is also covered by this certification.

The certificate applies to certification profile FCC Multipurpose Worldwide and the device was configured as a PAN-Device.

Test cases have been performed as described in the test report referred to below. This certificate is granted on account of tests conducted by TÜV Rheinland in Yokohama, Japan in October 2019. The results and remarks can be found in the complete test report.

Applied tests	Performed by	Document evidence
Conformance, interoperability and performance testing according to the test specification referenced by the test report	TÜV Rheinland Japan	50289390 001

The device tested is a G3-PLC FCC 1-phase meter. The meter is equipped with the G3-PLC certified platform REL-G3PLC-CPX3 with certificate no. G3.1907.306.1.C4. The Protocol Implementation Conformance Statement in the Annex includes the PICS related to performance and is an integral part of this certificate. This certificate is valid from November 1st, 2019.

The certificate is only applicable to the product described above and permits the use of the G3-PLC[™] logo as laid down in the G3-PLC logo license agreement.

This certificate does not imply assessment of the production. This certificate shall not be defined, or used as a guarantee covering quality of a product which includes G3-PLC. The liability of the Alliance and the test laboratory or any of her representatives is excluded for any damages or losses of the certified company.

Paris, November 1st, 2019

For the G3-PLC Alliance:

Marc Delandre Chairman

Madeleine Francillard Chair Certification Program



Authenticity of this certificate can be verified at http://www.g3-plc.com/certified-products-platforms/ Pag

Annex 1: Protocol Implementation Conformance Statement (PICS)

G3-PLC FCC

Feature implementation statement

Name	Value	Description	
BAND_PLAN	FCC	Indicate the band-plan supported by the device.	
FEATURE_PAN_COORDINATOR	FALSE	Indicate if the device is a PAN-Coordinator (true) or a normal device (false).	
FEATURE_COHERENT_MODULAT	TRUE	Indicate if coherent modulation is supported.	
FEATURE EAD SEDVED	FALSE	Indicate if an EAP-PASK server is implemented by the DUT.	
FEATURE_EAP_SERVER		Apply only if FEATURE_PAN_COORDINATOR = true.	
FEATURE_D8PSK_MODULATION	TRUE	True / False	
FEATURE_ROUTING	TRUE	Indicate if the routing is implemented by the IUT.	
FEATURE_SECURITY	F1	Indicate the security implemented by the device. Possible values are: F1, F2.	
FEATURE_ACTIVE_SCAN	TRUE	Indicate if the active scan process is done by the IUT after power-up.	
FEATURE_PREAMBLE_COEXISTE NCE_MECHANISM	FALSE	Indicate if the preamble-based coexistence mechanism is used by the IUT.	
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Certificate registration number: G3.1911.342.2.C4

Page 2 of 6

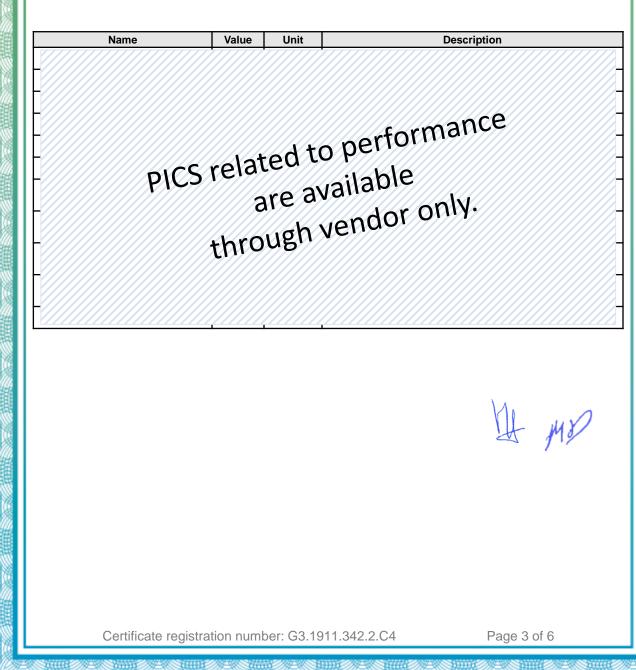
Annex 2: Protocol Implementation Conformance Statement (PICS)

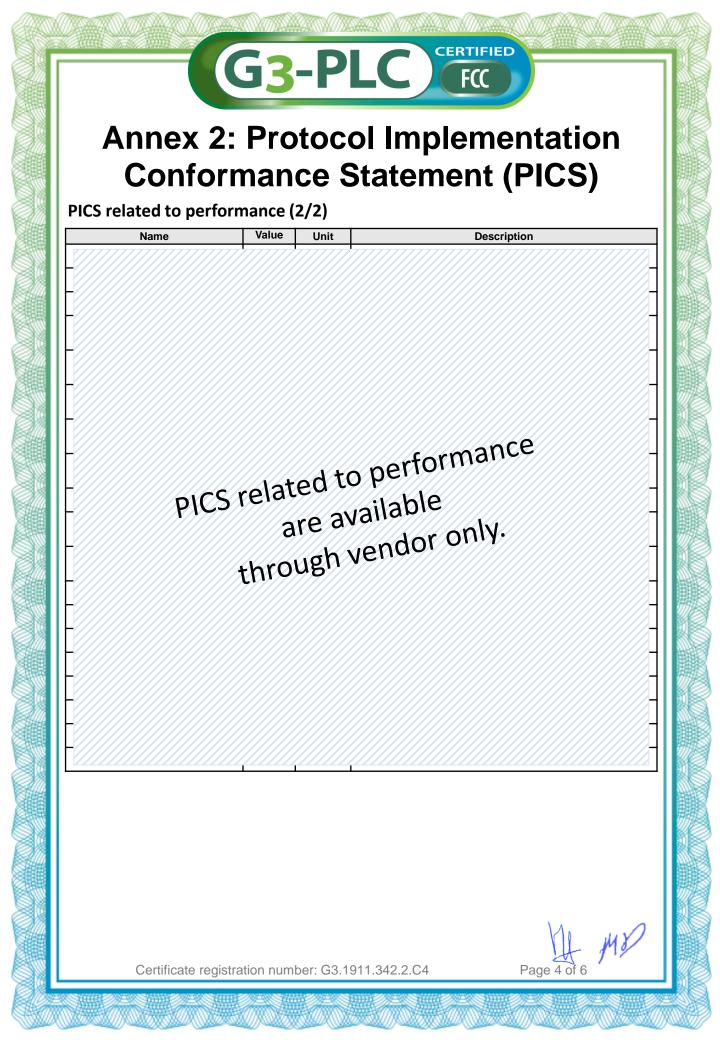
G3-PLC FCC

PICS related to performance (1/2)

The device tested is a G3-PLC FCC 1-phase meter. Testing was performed on phase 1.

Operating voltage applied for certification testing was 230V/50Hz.





Annex 3: Copy of test report cover sheet

G3-PLC FCC

Produkte Products		יטד 🛕	V Rheinland®
Prüfbericht-Nr.: Test Report No.: 5	0289390 001	Auftrags-Nr.: Order No.: 150115346	Seite 1 von <i>of</i> 42 <i>Page</i> 1 von <i>of</i> 42
Kunden Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: 2019 Order date:	9-09-02
Auftraggeber: Client:		Park, Southern Hi-Tech Zon	ie, Nanshan District,
Gegenstand der Prüfung: Test item:	Shenzhen, China G3-PLC 1-phase FCC n	neter	
Bezeichnung / Typ-Nr.: Identification / Type No.:	i100		
Auftrags-Inhalt: Order content:	G3-PLC Certification T	est	
Prüfgrundlage: Test specification:	G3-PLC 1-to-1 Interope	L1-L2 Test Suite Specificati rability Test Suite Specifica est Suite Specification v0.2 est Procedures v1.13	ation v0.13
Wareneingangsdatum: Date of receipt:	2019-09-10	Ctel inue	
Prüfmuster-Nr.: Test sample No.:	A001001435		Trequers: FCC
Prüfzeitraum: Testing period:	2019-10-17 – 2019-10-18	3	A Southern He Truth Quee.
Ort der Prüfung: Place of testing:	TÜV Rheinland Japan L Global Technology Assessment Center 4-25 Kita-Yamata, Tsuzuki-ku Yokohama 224-0021, Jaj	-2	0 4583 5 = 1.35
Prüflaboratorium: Testing laboratory:	TÜV Rheinland Japan Lt	d.	
Prüfergebnis: Test results:	The test item passed the test specification(s).		
Geprüft von Tested by:	Mau	Kontrolliert von Reviewed by:	Alus for
2019-10-29, Tam Tran Thanh		2019-10-29, Atsuhiro E	
DatumName / StelDateName / Post		Datum Name / St Date Name / Po	
Sonstiges / Other Aspects: Zustand des Prüfgegenstand		Prüfmuster vollständig	und unbeschädigt
Condition of the test item at de	-	Test item complete and u	
*Legende: 1 = sehr gut 2 = P(ass) = entspricht o.g. Prüfgrundla Legend: 1 = very good 2 = g P(ass) = passed a.m. test specificatio	ge(n) F(ail) = entspricht nicht o.g good 3 = satisfactory		5 = mangelhaft wendbar N/T = nicht getestet 5 = poor N/T = not tested
auszugsweise vervielfältig This test report only relates to the	gt werden. Dieser Bericht ber e a. m. test sample. Without per	ter und darf ohne Genehmigur achtigt nicht zur Verwendung mission of the test center this te loes not entitle to carry any test i	eines Prüfzeichens. st report is not permitted to
Certificate registratio	n number: G3.1911.	342.2.C4	Page 5 of 6