

Issued by : NMI Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands

Applicant : Itron
Ganz Meter Company Ltd.
Tancsics Mihaly u. 11
H-2100 Gödöllő
Hungary

Submitted : **Static electrical energy meter**

Manufacturer : Itron
Type : ACE661B

Characteristics : See page 2

In accordance with :

- IEC 62052-11** "Electricity metering equipment (AC) - General requirements, tests and test conditions - Part 11: Metering equipment"
- IEC 62053-22** "Electricity metering equipment (AC) - Particular requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)"
- IEC 62053-21** "Electricity metering equipment (AC) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)"
- IEC 62053-23** "Electricity metering equipment (AC) - Particular requirements - Part 23: Static meters for reactive energy (classes 2 and 3)"
- IEC 62053-24** "Electricity metering equipment (AC) - Particular requirements - Part 24: Static meters for reactive energy at fundamental frequency (classes 0,5 S, 1 S and 1)"
- EN 50470-1** "Electricity metering equipment (a.c.) - General requirements, tests and test conditions - Part 1: Metering equipment (class indexes A, B and C)"
- EN 50470-3** "Electricity metering equipment (a.c.) - Particular requirements - Part 3: Static meters for active energy (class indexes A, B and C)"
- CLC/TR 50579** "Electricity metering equipment - Severity levels, immunity requirements and test methods for conducted disturbances in the frequency range 2-150 kHz"

The undersigned declares that the described product is tested according to the above mentioned standards and meet their requirements, based on a non-recurrent examination. The appertaining test data is presented in the type evaluation report no. CVN-609218-01, CVN-609218-02, CVN-703237-01, CVN-708275-01, CVN-10200506-01, NMI-14200058-01, NMI-15200189-01, granted by NMI and used for EU-type examination certificate T10709. The meter type ACE661B is part of the ACE6000 meter family.

NMI Certin B.V.
18 October 2019

C. Oosterman
Head Certification Board

Characteristics of the measuring instrument

The general characteristics of the measuring instrument are presented.

Model	ACE661B															
Accuracy class	<table border="0"> <tr> <td>B or C</td> <td>EN 50470-3</td> <td>(Active energy)</td> </tr> <tr> <td>1</td> <td>IEC 62053-21</td> <td>(Active energy)</td> </tr> <tr> <td>0,2 S or 0,5 S</td> <td>IEC 62053-22</td> <td>(Active energy)</td> </tr> <tr> <td>2</td> <td>IEC 62053-23</td> <td>(Reactive energy)</td> </tr> <tr> <td>0,5 S</td> <td>IEC 62053-24</td> <td>(Reactive energy)</td> </tr> </table>	B or C	EN 50470-3	(Active energy)	1	IEC 62053-21	(Active energy)	0,2 S or 0,5 S	IEC 62053-22	(Active energy)	2	IEC 62053-23	(Reactive energy)	0,5 S	IEC 62053-24	(Reactive energy)
B or C	EN 50470-3	(Active energy)														
1	IEC 62053-21	(Active energy)														
0,2 S or 0,5 S	IEC 62053-22	(Active energy)														
2	IEC 62053-23	(Reactive energy)														
0,5 S	IEC 62053-24	(Reactive energy)														
Destined for the measurement of	electrical energy, in a - three-phase four-wire system - three-phase three-wire system															
U_{ref}	3x57,7/100 V... 3x240/415 V															
I_b	1 A															
I_{max}	10 A															
f_{ref}	50 Hz or 60 Hz															
Temperature range	-40 °C / +70 °C															
Degree of protection	IP54															
Software version (internal)	1.30F Checksum: 0x2537BA0D 2.10B Checksum: 0x2937E756 2.20A Checksum: 0x29371D9B 3.01A Checksum: 0x3116B9C5 4.00A Checksum: 0x312627EF															
Software version (external)	1.52A Checksum: 0xFD30C5C3 1.57B Checksum: 0xEABAED2A 2.13A Checksum: 0xCE9B2CE5 2.21B Checksum: 0xD5E8EF23 02.65A.12 Checksum: 0xE89F1D07 02.21D.06 Checksum: 0xD6042ABC 02.65B.12 Checksum: 0xE8C5D91C 02.65C.12 Checksum: 0xE8CF3999 02.67A.14 Checksum: 0xE921460E 03.10C.00 Checksum: 0x1048FAA7 03.20A.00 Checksum: 0x122d8995 04.00B.00 Checksum: 0x28B86EA0 04.02C.00 Checksum: 0x2AA1FB82 04.03A.00 Checksum: 0x2E045DA9 04.03B.00 Checksum: 0x2E1B641F 04.04A.00 Checksum: 0x2D311846 04.10D.01 Checksum: 0x344D6521 04.12C.00 Checksum: 0x35D9822B															
Hardware version (main board)	A202835 AH															
Hardware version (PSU board)	A204489 AB															