

ELECTRICITY ACT 1989

THE ELECTRICITY (NORTHERN IRELAND) ORDER 1992

APPROVAL OF METERS

David Moorhouse, appointed as a Meter Examiner under paragraph 4(1) of Schedule 7 to the Electricity Act 1989, hereby approves for the purpose of paragraph 2 of Schedule 7 to the Electricity Act 1989 and paragraph 3 of Schedule 7 to the Electricity (Northern Ireland) Order 1992:-

Manufacturer: Landis+Gyr Ltd

Type of meter: Z*D4***T**.**** S*

Description of meter: Polyphase, Transformer Operated, Import/Export, Multi-rate, Electricity Meter.

Scope of Approval: See attached annex

for the measurement of electrical energy where that energy is supplied at the reference frequency of 50Hz and at any reference voltage and reference alternating current on any circuit as specified below.

As respects the design and the manner of fixing and connecting any such meter with a service line, any method described in the specifications and drawing deposited by the manufacturer

Approved in accordance with: EN62052-11: 2003, Electricity metering equipment (AC) – General requirements, tests and test conditions. Part 11: metering equipment.

And EN62053-22: 2003, Electricity metering equipment (AC) – Particular requirements. Part 22: Static meters for active energy (classes 0.2s & 0.5s)

Or EN62053-21: 2003, Electricity metering equipment (AC) – Particular requirements. Part 21: Static meters for active energy (classes 1 & 2)

Signed: 

Meter Examiner
(Assistant Director – Utilities Regulation)

Dated: 16th October 2012

Certificate Number: 1023



ANNEX

SCOPE OF APPROVAL No. 1023 AMD1

Manufacturer: Landis+Gyr Ltd

Type of meter: Z*D4**CT**.* **S*

Accuracy class(es): Active 0.2s, 0.5s or 1.0(kWh), Reactive 2 (kvarh)

Description of meter: Polyphase, Transformer Operated, Import/Export, Multi-rate, Electricity Meter.

Type of Circuit	Size of Meter (amperes)	Reference Voltage
Three Phase Three Wire Three Phase Four Wire	1-1.2A or 5-6A 1-1.2A or 5-6A	3x100-415V 3x57.7/100-240/415V

Product Variant Identification Details:

Description of Meter	Type Designation
----------------------	------------------

Example ZMD 4 02 C T 44 4207 S3

Network Type

ZFD 3-phase 3 wire network (F-circuit)
ZMD 3-phase 4 wire network (M-circuit)

Connection Type

4 Transformer operated

Accuracy Class

02 Active energy class 0.2s (IEC)
05 Active energy class 0.5s (IEC)
10 Active energy class 1.0 (IEC)

Measured Quantities

C Active and reactive energy
A Active energy

Construction

T With exchangeable communication units

Tariffication

21 Energy rates, external rate control via control inputs
24 Energy rates, internal rate control via time switch (additionally possible via control inputs)
41 Energy and demand rates, external rate control via control inputs
44 Energy and demand rates, internal rate control via time switch (additionally possible via control inputs)

All versions with 3 control inputs and 2 output contacts

Additional functions

060x 6 outputs
240x 2 control inputs, 4 outputs
420x 4 control inputs, 2 outputs
045x 4 outputs, auxiliary power supply 100 to 240 VAC/VDC
046x 4 outputs, auxiliary power supply 12 to 24 VDC

xxx0 no additional functions
xxx2 DC-magnet-detection
xxx7 load profile
xxx9 DC-magnet-detection and load profile

Series

S2 Series 2
S3 Series 3

Modifications to the meter(s) described according to pattern approval No. 1023 must be notified to the issuing body to confirm the meter(s) continuing compliance to the relevant pattern approval standard(s).

Approval date: 10th October 2006
Annex issue date: 10th October 2006
Annex reissue date: 16th October 2012

Signed: 

Meter Examiner
(Assistant Director – Utilities regulation)

Trim File No: U0101/0010/31

