

**ELECTRICITY ACT 1989**

**THE ELECTRICITY (NORTHERN IRELAND) ORDER 1992**

**APPROVAL OF METERS**

*Adrian Rudd, appointed as a Meter Examiner by The Gas and Electricity Markets Authority, 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 Limited  
**Type of meter:** Z\*D4\*\*CT\*\*.\*\*\*\* S2  
**Description of meter:** Polyphase 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 0.2 & 0.5)

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

Signed:



Meter Examiner  
(NWML Director of Utilities)

**Dated:** 10<sup>th</sup> October 2006

**Certificate Number:** 1023

**ANNEX**  
**SCOPE OF APPROVAL No. 1023**

**Manufacturer:** Landis & Gyr Limited  
**Type of meter:** Z\*D4\*\*CT\*\*.\*S2  
**Accuracy class(es):** Active 0.5s or 1.0 (kWh), Reactive 2 (kvarh)  
**Description of meter:** Polyphase 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:

Type Designation	Description of Meter
ZFD	<b>Network Type</b> 3 phase 3 wire network (F Circuit)
ZMD	3 phase 4 wire network (M Circuit)
4	<b>Connection</b> Transformer connection
05	<b>Accuracy Class</b> Class 0.5s Active Energy (kWh)
10	Class 1 Active Energy (kWh)
C	<b>Measurement Type</b> Combi-meter (four-quadrant measurement)
T21	<b>Tariff Version</b> Energy tariffs; external tariff control via control inputs
T24	Energy tariffs; internal tariff control via time switch (additionally possible via control inputs)
T41	Energy & demand tariffs; external tariff control via control inputs
T44	Energy & demand tariffs; internal tariff control via time switch (additionally possible via control inputs)
.2407 S2	<b>Extension board</b> with 2 control inputs, with 4 output contacts, without addition, with load & hour profiles
.4207 S2	with 4 control inputs, with 2 output contacts, without addition, with load & hour profiles
.0257 S2	without control inputs, with 2 output contacts, with aux power supply, with load & hour profiles
	<b>Optional Communication Modules</b> CU-A1, CU-A2, CU-A4, CU-A5 CU-B1, CU-B2, CU-B4 CU-M1, CU-M20, CU-M21, CU-M22 CU-G4, CU-G5, CU-G20, CU-G21, CU-G22 CU-P20, CU-P21, CU-P22 CU-E20, CU-E21, CU-E22

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: 10<sup>th</sup> October 2006

Annex issue date: 10<sup>th</sup> October 2006

Signed:   
 Meter Examiner  
 (NWML Director of Utilities)

Tony Waters  
Landis & Gyr Limited  
Orion Business Park  
Bird Hall Lane  
Stockport  
SK3 0RT

Our Ref: U0101/0010/27  
Direct Dial: 020 8943 7286  
Email: [adrian.rudd@nwml.gov.uk](mailto:adrian.rudd@nwml.gov.uk)

10<sup>th</sup> October 2006

Dear Tony,

**ELECTRICITY ACT 1989**

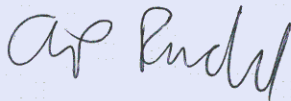
I enclose for your information the approval issued by OFGEM / NWML for the

**Z\*D4\*\*CT\*\*.\*\*\*\* S2**

The Approval number is No. 1023

The meter(s) described above have been given a certification life of 10 years.

Yours sincerely



Adrian Rudd

NWML Director of Utilities