

Please Note

The meter is intended to be installed in a Mechanical Environment 'M1', with Shock and Vibrations of low significance, as per 2004/22/EC Directive. The meter is intended to be installed in Electromagnetic Environment 'E2', as per 2004/22/EC Directive.

Installation of this device may only be performed by qualified personnel.

Technical support

In case you have any questions about our product, please contact Rayleigh Instruments on 01245 428500.

Attention

The Meter housing is sealed. Warranty is void if the seal is broken or removed



RAYLEIGH INSTRUMENTS LIMITED
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RI-78-80-C

RI-78-80-C 230V 5(80)A LCD

Single Phase Energy Meter – 100A Direct MID With Communications / Pulsed Output



**Rayleigh
Instruments
Limited**

DECLARATION OF CONFORMITY

According to Directive 2004/22/EC

Report Ref: SHES1203000458MI

Issued 15th August 2012

Compiled by: SGS

Product : Single Phase Energy Meter

Model No. : RI-78-80-C

Rating : 80A

Output : RS485/SO. Pulse

The test sample has been tested in accordance with the requirements of

Directive 2004/22/EC as stated on Certificate 0120/SGS0138

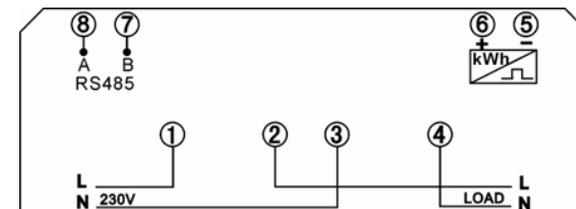
The technical documentation required to demonstrate that the products meet the requirements of the above EU directives has been compiled and is available for inspection by relevant enforcement authorities.



Approved by/Date

[Signature] 1/10/12

Current Range	5 (80)A
Voltage Range	230V ± 20%
Impulse Constant (Red LED)	1600 Impulse / kWh
Accuracy Class	B
Declaration Of Conformity	D
Frequency	50Hz ± 10%
Display	5+2 = 99999.99 kWh LCD
Temperature Range	-25°C to 55°C
Max Relative Humidity	75% Average / Short time value 95%
Standards	EN50470-1 / EN50470-3
Power Consumption	≤1W
Communications	RS485—Modbus RTU
Pulse Output	1600 Imp/kWh RL = 0.625 Wh/Imp RA = 0.625 Wh/Imp SO-Standard DIN 43864
Pulse Width	52mS
Registered Harmonics Range	0.05-0.25KHz
Maximum Terminal Wire mm²	50mm ²



1 Live In	2 Live Out
3 Neutral In	4 Neutral Out
5 Pulse -	6 Pulse +
7 B / -	8 A / +