

DECLARATION OF CONFORMITY 2014/53/UE "RED"

Instrument model/Instrument: **GEMIS** - Poly-phase static active and reactive energy meter.

Name and address of the manufacturer:

Name **Gridspertise S.r.L.**
 Address Via Ombrone, 2
 ZIP code and City 00198 – Rome – ITALY

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of the declaration:

Instrument model:	GEMIS
Accuracy Class for active Energy measurement:	B
Reference Voltage:	230 V
Reference Network Frequency:	50 Hz
Reference Current:	5 A
Environmental Classes:	M1 / E2
Temperature Range:	-25 °C ÷ +55 °C

The meter object of this declaration is comply with the relevant Union harmonisation legislation:

DIRECTIVE 2014/53/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment and repealing Directive 1999/5/EC

Compliance is declared for meters with homologation code OM4XX and OM5XX, in relation to the following technical standards to which the meter in question is compliant:

EN 50364:2010	Limitation of human exposure to electromagnetic fields from devices operating in the frequency range 0 Hz to 300 GHz, used in Electronic Article Surveillance (EAS), Radio Frequency Identification (RFID) and similar applications. Only applicable for meters with homologation OM.4XX.
EN 62479:2010	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).
ETSI EN 301 489-3 V2.1.1 (2017-03)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU
ETSI EN 300 220-1 (V3.1.1) - 2017 -	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methods of measurement
ETSI EN 300 220-4 (V1.1.1) - 2017	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 4: Harmonized Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU; Metering devices operating in designated band 169.400 MHz to 169.475 MHz
ETSI EN 300 330 V2.2.2	Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonized Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Only applicable for meters with homologation OM.4XX.
ETSI 301 489-1 V2.2.0 (2017-03)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU
ETSI EN 301 489-17 V3.1.1 (2017-02)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonized Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU. Only applicable for meters with homologation OM.5XX.
ETSI EN 300 328 V2.2.2	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU. Only applicable for meters with homologation OM.5XX.
EN 62311 (2008)	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)
IEC 62052-31(2015)	Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests

Compliance about safety requirements is declared in relation to the subsequent harmonized technical standards pursuant to the directive 2014/32/UE "Measuring Instruments Directive":

CEI EN 50470-1:2007	Electricity metering equipment (a.c.) - Part 1: General requirements, tests and test conditions - Metering equipment (class indexes A, B and C)
CEI EN 50470-3:2007	Electricity metering equipment (a.c.) - Part 3: Particular requirements – Static meters for active energy (class indexes A, B and C)

The IMQ notified body with accreditation number 0051 has carried out the EU Type Examination activity, as required by Annex III Module B of Directive 2014/53 / EU and issued the EU examination certificate of the type number: 0051-RED-0127 Rev 0.

Rome, 26-10-2021

Gridspertise S.r.L.
 Head of Smart Meter Unit
Pablo Bassani
