

SMART METER 2.0

The latest-generation
electronic meter for
efficiently managing
your energy
consumption

GESTIS 2019 OM.330
3x230/400V ~ 50Hz
0,01-1(20)A
COD. 19E 95S JA2
N. 16 620 388



RA=10000 imp/kWh Cl.B
EN 50470-1
EN 50470-3

 -25°C + 55°C

10000 imp/kWh Cl.2

02-11

03

0122 T11471

semi-direct
three-phase meter
**INSTRUCTION
MANUAL**



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2

SMART METER

1

3

GESIS 2019 OM.330
3x230/400V ~ 50Hz
0,01-1(20)A
COD. 19E 95S 3A2
N. 16 620 388

Rx=10000 imp/kWh Cl.B
EN 50470-1
EN 50470-3

 -25°C + 55°C

Rx=10000 imp/kWh Cl.B
EN 62052-11
EN 62053-23

CE M19 0122 T11471



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The new electronic meter makes it possible to **check consumption at any time** and to know how much power electronic equipment is absorbing.

HOW DOES MY NEW METER WORK?

1 DISPLAY

Information about the electricity supply can be seen on the display at the centre of the meter.

The GESIS meter is used in **high power supplies**. A **transformer (TA)** is therefore necessary to take measurements **to reduce the current flowing through the meter**.

The **current reduction** ratio is called the Transformation Constant (KT)

and is **shown on the display** both as a message in the sequence and in the explanation of symbols.

2 CONSUMPTION INDICATORS

These are the **2 LEDs on the left of the display**, which flash when electricity is being consumed. The frequency of the flashing increases as consumption rises.

3 BUTTON

The **display's contents** can be **controlled** by pressing the button:

- with **single quick presses**, the various messages provided are displayed;
- by **pressing the button for longer**, the explanation of the symbols regarding the meter's functions is displayed;
- if **the button is not pressed** for 15 seconds consecutively, the display returns to its initial state.

WHAT APPEARS ON THE DISPLAY?

By pressing the button in sequence, the following **information** is displayed.

IT0123E00021122

POD NUMBER

is the alphanumeric code that **identifies the supply.**

Fascia in uso F3

TIME BAND IN USE

indicates the **time band** that is **applied** at the time of reading the display (F1, F2, F3).

Pot.Istant=003,1

INSTANTANEOUS POWER

shows the **kW absorbed** at the time of reading, which must be multiplied by the **KT transformation constant** to obtain the power actually withdrawn.

READING THE CONSUMPTION AND THE POWER

To obtain the actual values the displayed data must be multiplied by the **KT transformation constant**.

POWER-READING indicates the start of a sequence of information on consumption and the absorbed power.

CURRENT PERIOD corresponds to the data recorded up to the time the display is read.

PREVIOUS PERIOD corresponds to the data recorded regarding the previous billing period.

KT=025

KT TRANSFORMATION CONSTANT

is the value with which to multiply the energy and power values displayed by the meter to **obtain the actual values**.

Data 01/01/2020

Ora 16:03:04


DATE AND TIME

the date and time when the meter is read.

800 933 301

NUMBER FOR REPORTING FAULTS

Unareti's Emergency Number for reporting faults or anomalies of the electricity network and hazardous situations regarding electrical installations.



management of AVAILABLE POWER

The **GESIS meter**, like the previous model, **has no isolator/switch to cut off the electricity supply if the available power is exceeded.**

In **GESIS meters**, the **power output** is controlled by measuring the **maximum average power** over 15 minutes recorded over a month (Max. Pow.).

The actual value of the maximum power is obtained by multiplying the Max. Pow. by the **KT transformation constant.**

The resulting figure is used to **bill the power portion for the month.**

In cases in which the **Max. Pow. exceeds, for at least two months of the year, the available power**, Unareti will proceed to charge the fees for the adjustment of the available power, as set out by the Regulatory Authority for Energy, Networks and the Environment (Autorità di Regolazione per Energia Reti e Ambiente, ARERA) in the “Integrated text of the economic conditions for the provision of the connection service” (TIC).



For more information

unareti.it



To report faults or anomalies
in the electricity network
and hazardous situations regarding
electrical installations

800 933 301

Certifications

The CE marking and the supplementary metrology marking (indicated by the letter capital M and the last two numbers of the year the marking was affixed, inscribed in a rectangle) confirm the meter's compliance with the European Community Directive 2014/32/EU (MID directive).

Certification of the meters, in compliance with the MID directive, was carried out by a notified body, accredited at the European level in compliance with the relevant EU regulations:
CEI EN 50470-1 CEI EN 50470-3.

Declaration of Conformity

The manufacturer, E-distribution S.p.A., declares that the type of radio equipment - three-phase GESIS meter - complies with the directive 2014/53/EU.

The complete text of the EU declaration of conformity is available at the following internet address: <https://www.e-distribuzione.it/it-IT/Pagine/Contatore-La-Qualita.aspx>

The radio module is for the exclusive use of Unareti S.p.A., which uses it in addition to or as a replacement for the main transmission module.

The meter's certified software version can be found directly within the information on the meter's display.

The meter's new generation radio module operates in the 169.400 MHz – 169.475 MHz band with a transmission power of less than 0.5 W, in compliance with what is laid down by the Decree.