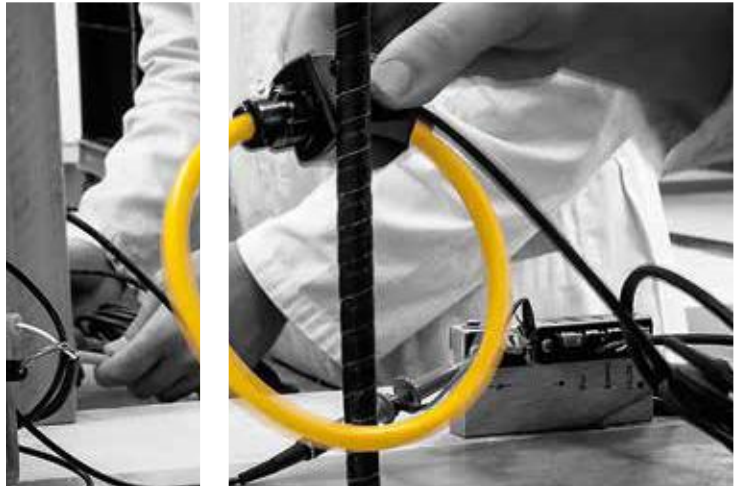
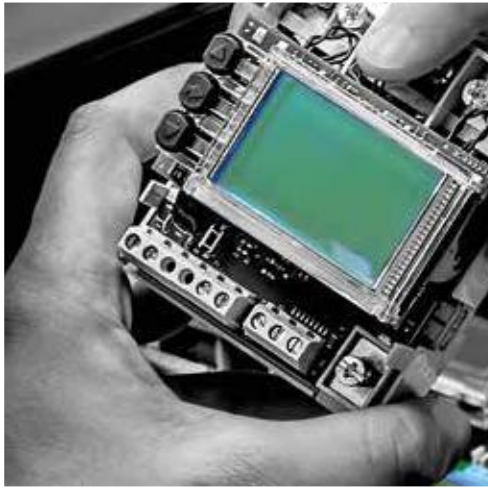


algodue[®]
ELETTRONICA



**SOLUTIONS FOR
ENERGY
MANAGEMENT
AND CONTROL**

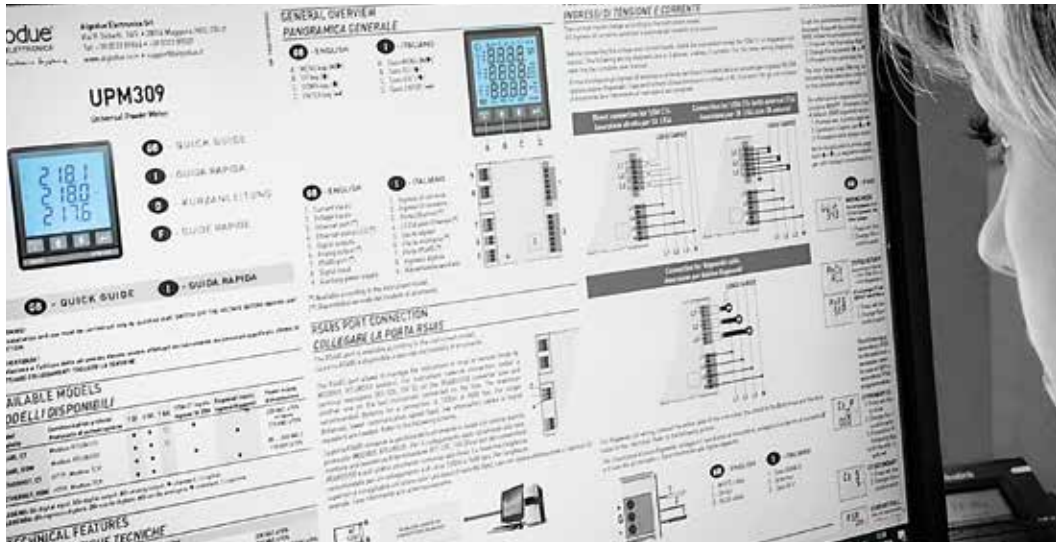




foundation
year



design and
production
company



3000 m² new
headquarters



20000+
pieces sold
every year



4
product
lines



rate of
average growth



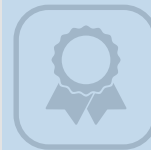
export turnover rate



partners in 70 countries



ISO 9001:2015 certified company



more than 9 product and project certifications (UL, MID, GOST-R...)



employees



item codes in the catalog



documentation available



PRODUCT CUSTOMIZATION SPECIALISTS

All our products can be adapted, customized and developed according to specific project or market requirements. Our Research & Development Department, with the collaboration of our sales staff, is able to support you from the first feasibility study, through the development of your type of customisation, up to its production and delivery, ensuring high standards of quality and flexibility.



CONTINUOUS SEARCH FOR INNOVATIVE SOLUTIONS IN OUR R&D LABORATORIES

Innovation is one of our corporate values, for this reason we constantly invest in new technologies to achieve our ideas. Our Research & Development department, made up of qualified engineers and technicians, has a high technical and industrial know-how thanks to which we develop projects from the very beginning. Working closely with the production area leads these projects to become real, placing Algodue at the forefront of the sector.



TECHNICAL TEAM AND MULTILINGUAL SALES FORCE

The Algodue team is made up of young, ambitious and passionate people who help to enrich a unique heritage of highly specialized technical knowledge in the energy measurement sector, matured and consolidated in thirty years of work on the field.

We work hard to be dynamic, enterprising and proactive. We listen to our customers and adapt to the most diverse needs for both small and large volumes. This is why we guarantee a fast and rapid supply chain.

NETWORK ANALYZERS

Power analyzers for energy control in industrial environment for Din Rail and panel mounting (96x96mm).

Suitable to be combined to Rogowski coils.



UPM209 | UPM309

Small size, high performance

FEATURES



THD & HARMONICS



UP TO 8 MB MEMORY



ETHERNET & RS485



REAL TIME VALUES



UP TO 24 REGISTERED PARAMETERS



BENEFITS

- Compact
- Generation of consumption profiles
- Alarm page on the webserver
- Excellent price/performance ratio
- Reduction of electricity consumption

APPLICATIONS

- Energy audit
- Energy monitoring
- Load monitoring of single machines

SMART KIT: UPM209RGW | UPM309RGW

Measuring is smart

FEATURES



THD & HARMONICS



UP TO 8 MB MEMORY



ETHERNET & RS485



EMBEDDED WEBSERVER



3 ROGOWSKI COILS



BENEFITS

- Compact
- Installation without switching off plant
- Full scale selectable on the field
- Fast installation
- Kit ready to use

APPLICATIONS

- Retrofitting
- Energy audit
- Switchboards, generators etc.

UPA20 | UPA30 | UPA41 + PLUG-IN MODULES

Easy to use

FEATURES



MODULARITY



REMOTE DETECTION OF CONSUMPTION



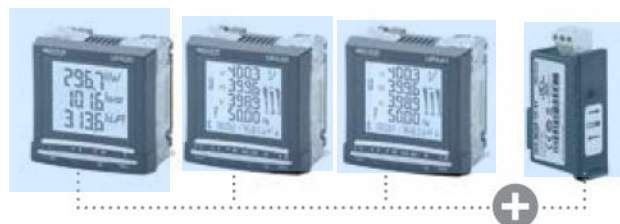
I/O



CLASS 0.5S



THD & HARMONICS



BENEFITS

- Suitable to be combined with Plug-in Modules
- Multilingual manuals
- Easy to use
- Wiring error detection
- Compliance to IEC 61557-12

APPLICATIONS

- Switchboards, generators etc.
- Energy monitoring
- Load monitoring of single machines

MID ENERGY METERS

Single and three phase meters for consumption measurement and control, MID certified, with built-in communication or to be combined with communication modules.



UEM SERIES

Compact and versatile with built-in communication

FEATURES



EN 50470-1
EN 50470-3



ETHERNET
RS485 & M-BUS



THREE PHASE &
SINGLE PHASE



SO OUTPUT FOR
PULSE EMISSION



ACCURACY
CLASS B OR C



BENEFITS

- Remote management
- For billing purposes
- Compact devices
- Single phase: direct connection 40A and 80A
- Three Phase: 1/5 A CT and direct connection 80A

APPLICATIONS

- Charging stations for electric vehicles
- Measurement of energy generated by renewable sources
- Totalization of the electric energy for single machine

UEC SERIES

Simple and reliable

FEATURES



EN 50470-1
EN 50470-3



THREE PHASE &
SINGLE PHASE



SO OUTPUT FOR
PULSE EMISSION



UP TO 30 PARAMETERS
DISPLAYED



ACCURACY
CLASS B OR C



BENEFITS

- Suitable to be combined with communication modules
- For billing purposes
- Fully bi-directional 4-quadrant
- Single phase: direct connection 40A and 80A
- Three Phase: 1/5 A CT and direct connection 80A

APPLICATIONS

- Accounting and billing of consumptions in camp sites, malls, residential areas, naval ports, office buildings etc.
- Measurement of energy generated by renewable sources

COMMUNICATION MODULES

Easy to install

FEATURES



CONNECTION BY
OPTICAL PORT



RS485



M-BUS



LAN GATEWAY



1 OR 2 MODULES



BENEFITS

- Suitable to be combined with UEC energy meters
- Compact
- Easy to use
- Possibility to switch the use according to the required application

APPLICATIONS

- Measurement of energy generated by renewable sources
- Totalization of the electric energy for single machine
- Totalization of consumptions for civilian and industrial buildings

ROGOWSKI COILS

Flexible Rogowski coils to be combined with integrators or suitable measurement devices to achieve a compact measuring system.



MFC150 SERIES

Excellence in the accuracy

FEATURES



INSTALLATION IN ONE CLICK



COIL CROSS SECTION 8 mm



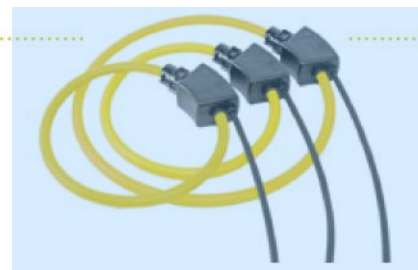
MEASUREMENT FROM mA TO VARIOUS kA



UL 61010-1 UL 2808



COMPLETELY SHIELDED



BENEFITS

- Installation without interruption of plant
- Fast installation
- To be combined with UPM209 and UPM309 (Smart Kit)
- Suitable to be combined with portable devices
- Rejection to the external current conductor

APPLICATIONS

- Retrofitting
- Very high current measurement
- Measurements in very small spaces

MFC190

High sensitivity

FEATURES



COIL CROSS SECTION 12 mm



OUTPUT VALUE: 0,3 V/kA



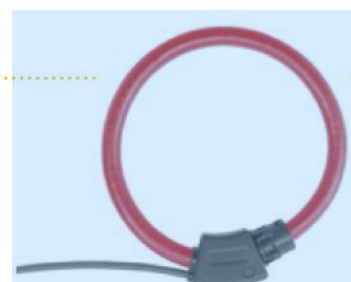
MEASUREMENT FROM mA TO VARIOUS kA



UL 61010-1



COMPLETELY SHIELDED



BENEFITS

- Installation without interruption of plant
- Fast installation
- Suitable to be combined with portable devices
- Rejection to the external current conductor
- It can be hanged on the conductor to be measured

APPLICATIONS

- Retrofitting
- Measuring devices, lab instrumentation
- Very high current measurement

ROGOWSKI INTEGRATOR

Flexible systems

FEATURES



TO BE COMBINED WITH MFC150



DIFFERENT SELECTABLE SCALES



DIFFERENT OUTPUTS



DIN RAIL



SUPPLY



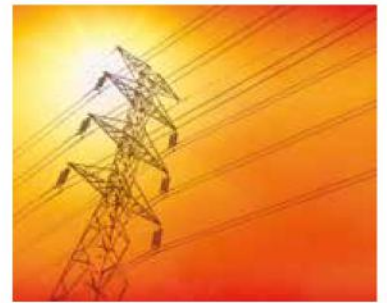
BENEFITS

- Single phase or three phase
- Linear response in a wide field of frequencies
- High current value
- Real RMS value output

APPLICATIONS

- Integrated part of a monitoring system
- Suitable to be combined with PLC
- High current value (hundreds of kA)

PQ METERS - CLASS A



Class A Power Quality Analyzers certified according to IEC/EN 61000-4-30:2015 Ed.3 to monitor power quality both for industrial applications and utilities.

PQM3000

Class A: top of the range

FEATURES

19
INCH

19" RACK
MOUNTING

CLASS
A

IEC/EN 61000-4-
30:2015 ED.3

ETHERNET,
MODBUS TCP

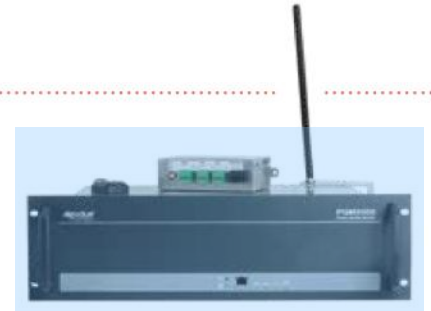
ETHERNET,
MODBUS TCP

HARMONICS &
INTERHARMONIC

HARMONICS &
INTERHARMONIC

EMBEDDED
WEBSERVER

EMBEDDED
WEBSERVER



BENEFITS

- Data recording for analysis in accordance with EN 50160
- Bundled software for creating a report in accordance with EN 50160
- Evaluate the Energy Quality
- Multilingual web interface easy to use
- Simultaneous recording of events and Min/AVG/Max values

APPLICATIONS

- Recording and analysis of disturbances
- Motor inrush current study
- Monitor the electrical power supply

PQM4000

Class A: touch the excellence

FEATURES

PANEL MOUNTING
(144X192)

PANEL MOUNTING
(144X192)

7" TFT COLOUR
DISPLAY

7" TFT COLOUR
DISPLAY

CLASS
A

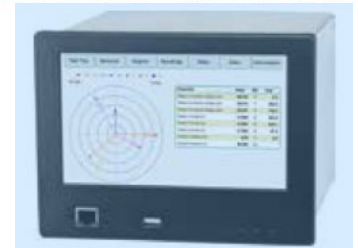
IEC/EN 61000-4-
30:2015 ED.3

ETHERNET, WIFI,
RS485 & USB

ETHERNET, WIFI,
RS485 & USB

HARMONICS &
INTERHARMONIC

HARMONICS &
INTERHARMONIC



BENEFITS

- Data recording for analysis in accordance with EN 50160
- Bundled software for creating a report in accordance with EN 50160
- Evaluate the Energy Quality
- Multilingual web interface easy to use
- Simultaneous recording of events and Min/AVG/Max values

APPLICATIONS

- Recording and analysis of disturbances
- Motor inrush current study
- Monitor the electrical power supply
- Data center



PQM-ANALYZER
SOFTWARE

WEBSERVER



Getting together is a beginning,
staying together is a progress,
working together is an achievement.

Henry Ford

algodue[®]
ELETTRONICA

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