HANLEY ENERGY
TRUSTED ENERGY PARTNERS

ENERGY METERS

Energy meters can help achieve sustained energy reductions of up to 20%, with zero impact on operations.

EM24-Din - Energy Meter

FEATURES

> 3 phase energy analyser with built in configuration joystick and LCD data displaying
> Gas and water measurements, multi-tariff management in a single instrument
> Direct Connection up to 65A
> Two digital outputs (alarms or/and pulses) or RS485 communication port, Dupline or M-Bus
> Compact size

> Hour counter for machine maintenance planning
> All utility variables' cost allocation and control
> Easy installation and saving of external current transform
> Quick and easy data transmission to PC/PLC for full load control or integration to BMS
> Easy scrolling and programming using the front joystick
> Tamper proof housing and MID certification for billing purposes
> Efficient use of space in panel boards

BENEFITS

> Full set of variables available to perform a complete load analysis
> Energy measurement for best energy cost allocation

EM26-96 - Energy Meter

FEATURES

> 3 phase energy analyser with built in configuration joystick and LCD data displaying
> Gas and water measurements, multi-tariff management in a single instrument
> Harmonic analysis up to 15th harmonics
> 3 digital outputs (alarms or/and pulses)
> RS485 communication port
> Extended AC/DC power supply

BENEFITS

> Full set of variables available to perform a complete load analysis
> Hour counter for machine maintenance planning
> Load failure control and prevention
> Energy analyser in a very compact housing to save space
> Suitable to measure generated and consumed energy

WM30 - Smart Modular Power Meter

FEATURES

> Clear and easy to understand display information available on the Home page
> Phase asymmetry measurement and total and partial: kWh, kvarh
> Harmonic analysis up to 32nd harmonics
> Two digital outputs, alarm/pulse (module), Two analogue outputs (module), RS485 or RS232 communication port (module), Ethernet TCP/IP port (module), BACnet (IP) over Ethernet and BACnet (MS/TP) over RS485

BENEFITS

> Provides installation data to SCADA to manage the whole system
> Modular housing to build the instrument according to the real application needs
> Plug in modules for future expansion as a cost effective solution
> For full local load control, quick and easy data transmission to PC/PLC and fast data transmission to a local or a remote PC

ENERGY METERS

EM271 - Energy Meter

FEATURES

> Voltage and serial bus daisy chaining capability with detachable screw terminals; triple current transformers with RJ11 fast connection

> Two triple current transformers can be connected to the unit allowing to have two-meters-in-one. A further virtual meter can be enabled allowing to show the sum of the 2 loads

> TCD triple current transformer series is dimensioned according to the standard size of the breakers, so to be put in a parallel row close to the latter

> EM271 is self-powered by its voltage measured inputs without requiring the neutral connection as mandatory

> The meter can be panelmounted on DIN-rail and the CT's can be mounted in panel, DIN-rail or bus-bar

BENEFITS

> A voltage (and serial) loom can be created very quickly without requiring the need to bring voltage cables from bus-bars to every single meter. Connection of CT is very fast and virtually error-proof

> No need for power supply cabling. The voltage loom carried out by daisy chaining the voltage inputs allows supply of power for up to 20 meters

> All the terminal blocks are detachable and fully integrated in the meter housing. They can be removed and pre-wired separately, to further reduce the installation time

> A serial communication-based energy management solution can be put beside the old pulse-based one, so to allow a gradual transition between the two systems

EM210 - Energy Meter

FEATURES

> 3 phase energy meter

> Modbus serial communication can reach baud rate of 115.2 kbps

> New "Even" parity and stop bit selection (1 or 2, in case of no parity) have created a complete compliance to the ModBus protocol;

> One pulse output (programmable kWh/pulse)

> RS485 communication port

> Detachable LCD display

> Compactable size

BENEFITS

> Essential set of variables available to check the load status and for easy installation

> Suitable for both active and reactive energy metering for cost allocation but also for main electrical parameter measurement and retransmission.

> Complete set of variables for BMS

> Quick and easy data transmission to PC/PLC for full load control

> Installation modes: DIN-rail mounting or panel mounting Energy meter.

> Efficient use of space in panel boards.

> Modified terminal position to grant easier and error-proof connection

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