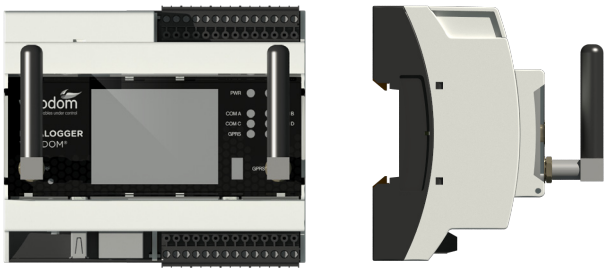
Webdom® Datalogger 3.0
Smart Energy Meter

Integral solution to manage your Energy profile.

Energy monitoring from a single device in a simple and intuitive way. Control the performance of your PV system, heating, ventilation and lighting. Save energy and money!

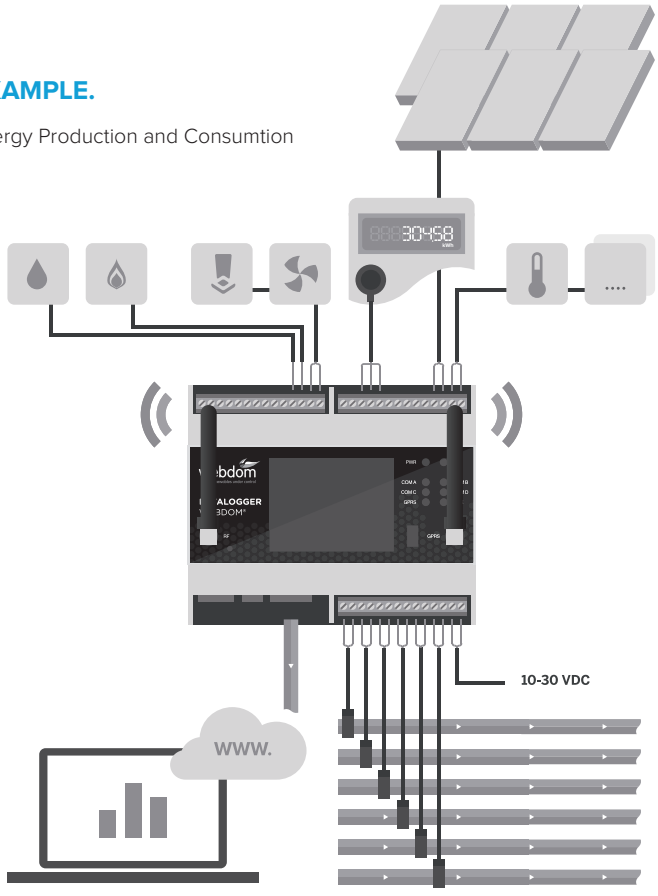


TECHNICAL SPECS.

- x6 INPUTS FOR CURRENT CLAMPS
  Split core clamps from 60A to 2000A
- x3 SERIAL PORT
  For connection to electric meters and solar PV inverters
  - 1 x RS232 (Without flux control)
  - 1 x RS232 (With flux control)
  - 1 x RS422/485 (Modbus-RTU)
- x6 ANALOG INPUTS
  Temperature, humidity, solar radiation
- x4 DIGITAL INPUTS x2 DIGITAL OUTPUTS
  Water and gas pulse meters
- x1 ETHERNET (MODBUS-TCP) and MODEM GSM/GPRS (optional) For internet connection
- USB PORT
- RADIO @868MHz ANTENNA 2dBi
  Wireless connection between Webdoms
- MINI SD MEMORY CARD 4 GB
  To store historical data
- x8 STATUS LEDS
- POWER SUPPLY 10-30VDC
- TFT SCREEN 2"-320X240pixels
- DIN RAIL ENCLOSURE

EXAMPLE.

Energy Production and Consumtion



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webdom
Renewables under control

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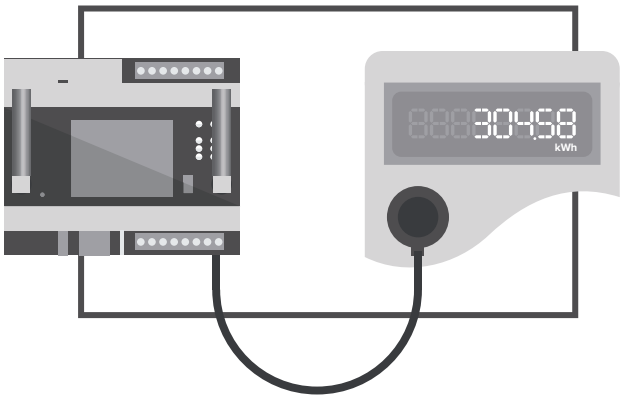
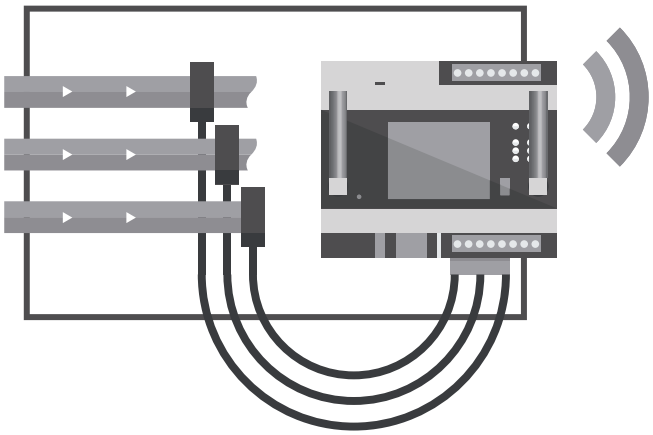
EXAMPLE 1. ENERGY MONITORING
Monitoring - Utility meter

Monitoring utility meter directly through an optical probe.Communication with the software through Internet (Protocols IEC870-5-102 and IEC62056-21)

OVERALL ENERGY CONSUMPTION AND ENERGY PRODUCTION
REAL TIME VALUES
HISTORICAL ENERGY DATA





EXAMPLE 2. ENERGY MONITORING
Monitoring – Power Lines

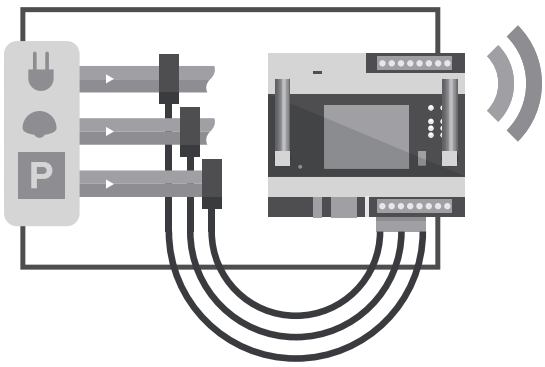
Monitoring of single phase and 3-phase lines with a maximum of 6 current clamps.

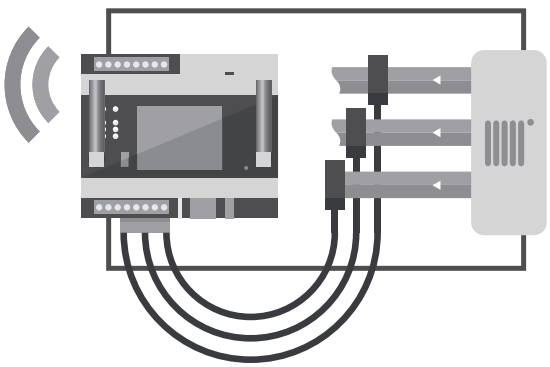
Examples:
6 x single phase lines
3 x single phase lines + 1 x 3-phase line
2 x 3-phase lines

EXAMPLE 3. ENERGY MONITORING
Monitoring – Several distribution panels

Reading consumptions (sockets, lighting, parking) of one distribution panel through a Master Webdom and reading consumptions (HVAC) of a second distribution panel through a Slave Webdom.
Radio communication between Master and Slave Webdoms.

The Master Webdom collects all the data from the slaves and from itself, and sends gathered data to the server through the internet.





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