

cad_{computer}

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Your partner for professional measurement technology

Hard- and Software components for over 30 years

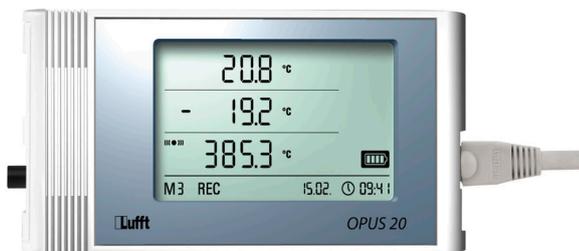


Product catalog



WAGO PFC 200

- Data logger for current, voltage, PT100, PT1000
- Backup functionality through SD card
- Input value scaling
- Limit value monitoring
- Various control and regulation functions
- Compliant with MCON 21 CFR Part 11



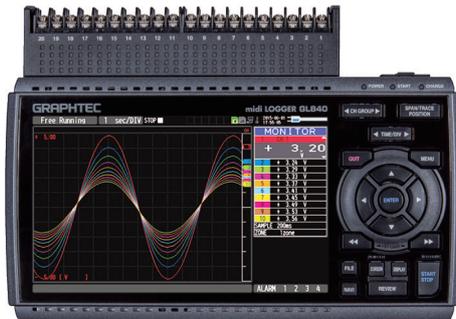
LUFFT OPUS20 series

- Data logger for temperature, humidity, CO2, air pressure
- Digital & analog sensors
- Compliant with MCPS 21 CFR Part 11
- Backup functionality
- Failure protection through battery operation
- PoE (Power over Ethernet)

Yokogawa Smartdac series



- Data logger for current, voltage, PT100, PT1000, thermocouples, resistance sensors
- analog & digital input / output modules
- Portable / built-in / front-end systems
- Compliant with MCPS 21 CFR Part 11
- Backup functionality
- Very high accuracy



Graphtec GL series

- Data logger for voltage, temperature, humidity
- Up to 10 channels (GL240)
- From 20 to 200 channels (GL840)
- Compliant with MCPS 21 CFR Part 11
- Backup functionality through SD card
- Portable data logger



Graphtec GL100 with WLAN

- Data logger for temperature, humidity, lighting, CO2
- Up to 4 channels
- Supports different sensors, input modules and adapters
- Internal RAM + microSD memory card
- Failure protection through battery operation



D&K Data collector XP + XP-R

- Data logger for temperature, humidity, pressure, force, radiation, air speed
- Up to 16 channels
- Pulse acquisition on 2 channels at the same time
- SD memory card
- Failure protection through battery operation



OPTRIS PI Series

- Small infrared cameras ideal for OEM use
- Temperature ranges from -20°C to 2000°C
- Resolution of up to 764×480 pixels
- Automatic hotspot search
- Portable and stationary
- Measurement speed up to 120 Hz



Particle counter PMS Lasair III

- Channels $0.5\text{-}1.0\text{-}2.0\text{-}5.0\text{-}10.0\text{-}25.0\ \mu\text{m}$
- $100\ \text{l/min}$, $50\ \text{l/min}$ or $1\ \text{cfm}$
 $100\ \text{l/min}$ flow samples $1\ \text{m}^3$ in 10 minutes
- 21 CFR Part 11 compliant
- Ethernet, Modbus TCP / IP or RS232
- Touch screen even with gloves
- Portable or customized use



Energy meter

- Large area of application by 1 or 3 phase operation
- Rogowski coils, energy measuring instrument
- Modbus RS485 and pulse output
- Transparency over energy data
- Reduction of energy costs
- ISO 50001 certification with MCPS



Alpha Redline sensors

- Clamp-on ultrasonic energy meter
- Clamp-on ultrasonic flow meter
- IMDW 500 flow meter
- Industrial pressure transmitter KCT 531 with RS485 MODBUS RTU
- Stainless steel immersion probe KMK 307
- Industrial pressure transmitter KMP 331 for Low pressure



Advantech ADAM I/O modules

- I / O modules PT100, PT1000, Pt, Balco, Ni RTD, mV, V, mA
- Inexpensive measurement data acquisition
- Modbus TCP, TCP / IP, UDP, HTTP, DHCP
- 6-8 channel modules
- 2-3 wire technology



LUFFT weather station series

- Temperature, humidity, air pressure, wind direction-& speed, amount of precipitation, intensity, type, UV index, position of the sun, brightness, twilight and radiation
- Of building automation and solar roofs up to professional transducers digital interface for environmental applications



INTECH measuring case

- Three-phase measurements per input
- Rogowski coils or folding converters
- Voltages L1, L2, L3 against N
- Current measurements IL1, IL2, IL3 and IN
- Temperatures, flow measurements
- Measured variables as 4-20mA or pulse of steam
Compressed air natural gas pipelines and
Heat transfer media, and much more



Kontron Web-Panel

- Capacitive multi-touch
- FDA compliant (front in stainless steel)
- Very high resolution and brightness
- different sizes from 7 „
- Scalable computing power
- HTML5 browser
- Ethernet, USB, COM interfaces



Novasina LoRa technology

- Adaptable temperature to requirements and humidity sensors, also for high humidity
- Ideal solution of wired ModbusRTU / RS485 devices and flexible radio probes
- 433MHz / LoRa (> 4km range)
- Radio data are transmitted via central RS485 Module read out



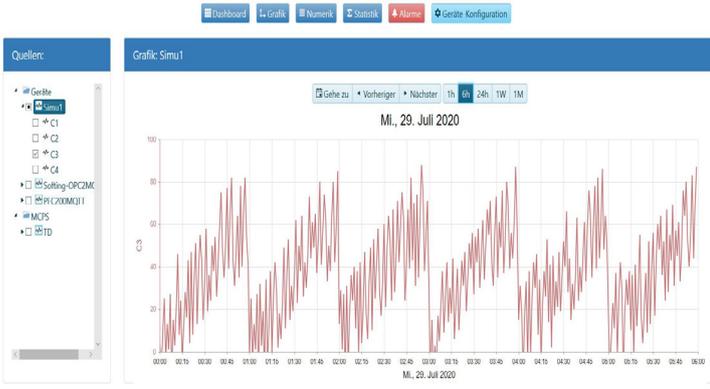
RmCU / MiDASS V4.0

- LoRa technology, OpenVPN, LTE
- MQTT, BACnet, Modbus RTU / TCP
- XML / CSV interface
- FTP / SFTP client
- Web interface, 4GB memory
- Data visualization with DAQ cloud
- Data visualization with MCPS8



MCPS8

- Measurement data acquisition and evaluation software, modular structure
- FDA compliant (21 CFR Part 11)
- Energy monitoring for z. B. ISO 50001
- Client / server applications
- Batch management
- over 150 hardware drivers



DAQ-Cloud

- web-based measurement data acquisition
- FDA compliant (21 CFR Part 11)
- Data upload via MQTT, FTP, MQTT via OPC, MCPS8
- up to 1000 channels
- up to 100 users
- Ring memory 5 years