MEAC300
digital analyzer solution

Clear and cost-efficient emissions data management

More information and current pricing:
www.endress.com/IMEAC30

Benefits:

- Easy installation of the MEAC300 software on commercially available PCs with Windows operating system
- Easy commissioning without wiring for Modbus-capable measuring devices
- Savings on service costs thanks to a flexible configuration interface for users
- Time savings through simulation mode for installation and function checks
- High availability through automated redundancy for data acquisition and output (optional)
- Free design of protocols in MS Excel format by the user (optional)
- Parallel GHG or QAL3 evaluation in the same system (optional)

Specs at a glance

- **Calculations** 5s value, Average value, Daily average value, Monthly average value, Annual average value, Moving monthly average, Mass emissions, Daily mass emissions, Monthly mass emissions, Annual mass emissions, Daily counter, Monthly counter, Annual counter

Field of application: The MEAC300 offers continuous acquisition, evaluation, storage, and visualization, as well as transmission of emissions data for modern emissions data management. The MEAC300 EP variant is designed to meet European evaluation guidelines for combustion plants; the MEAC300 EPW is also suitable for waste incineration and co-incineration plants and the MEAC300 DE especially meets German evaluation guidelines.

Features and specifications

Emissions data management

Measuring principle

Emission Data Acquisition and Handling

Calculations

5s value, Average value, Daily average value, Monthly average value, Annual average value, Moving monthly average, Mass emissions, Daily mass emissions, Monthly mass emissions, Annual mass emissions, Daily counter, Monthly counter, Annual counter

Ambient temperature range

+5 °C ... +40 °C

Emissions data management

Software modules

Evaluation software variants (parameterization required)
- “European Power”, version 4.0
- “European Power and Waste“, version 4.0
- “Germany CORE/PRIME/PRO“, version 4.2

Analog data acquisition software (Data acquisition unit (DAE) or field module (FM) required)

Modbus RTU/TCP data acquisition software master and slave

Remote access for remote PC (option)

Central system software via TCP for central PC (option)

Process image display software (Configuration required)

Process display (option)

Manual input (option)

MEx automated protocol export to MS Excel (option; Excel template and configuration required)

MEx configurator (option)

QAL3 master CUSUM (option)

GHG master MVO (option)

Redundancy system software with automated switching (option)

Workplace server system software (option)

E-mail alerts (option)

Analog data output software (Data acquisition unit (DAE) or field module (FM) required)

Modbus RTU/TCP data output software master and slave (PROFIBUS DP slave via optional converter)

EFÜ authority connection FTPES (option; only for variant “Germany

Emissions data management

Conformities

MEAC300 EP:
EN 14181 (QAL2)
2010/75/EU (Annex V)

MEAC300 EPW:
EN 14181 (QAL2)
2010/75/EU (Annex V)
2010/75/EU (Annex VI)

MEAC300 DE:
EN 14181 (QAL2)
BEP 2017

I/O interfaces

Emission-PC:
- Input: RS-232(-485)/Ethernet (Modbus RTU/TCP, VDI 4201-3)
- Output: RS-232(-485)/Ethernet (Modbus RTU/TCP)

DAU Data Acquisition Unit (option; including buffer memory):
- Input: 80 analog (max.), 256 digital (max.)
- Output: 32 analog (max.), 96 relays (max.)

FM Field Module (option):
- Input: 16 analog (max.), 32 digital (max.)
- Output: 16 analog (max.), 24 digital (max.)

More information **www.endress.com/IMEAC30**