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Intelligent analysis!
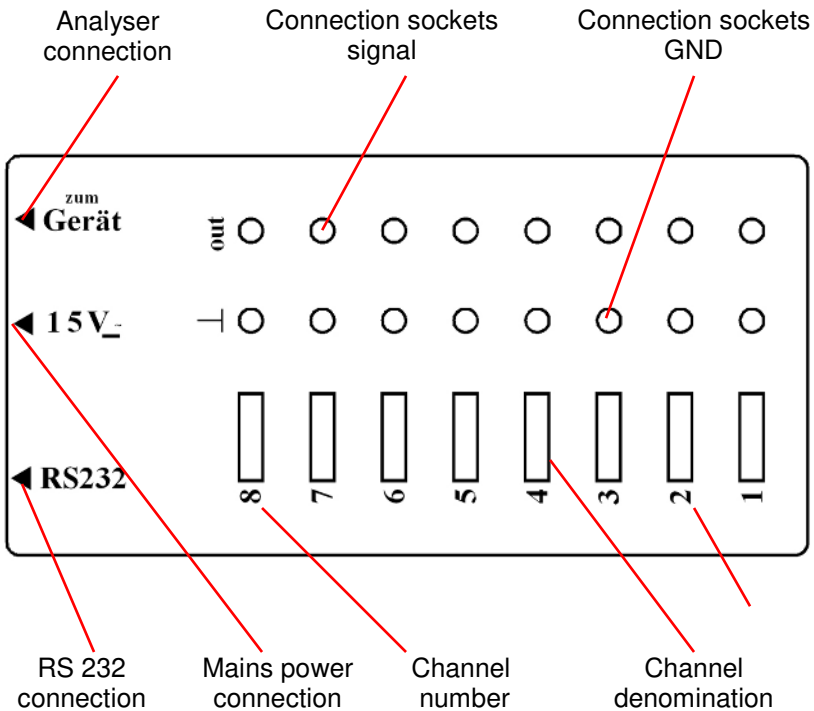

Operating Instructions
8 Channel
Analog Output Box

Delivery package covering

-Analog output box
-Mains power pack
-Cable for instrument connection
-RS232 cable
-Software for channel configuration
-Compatible with all ecom flue gas analysers with connection for
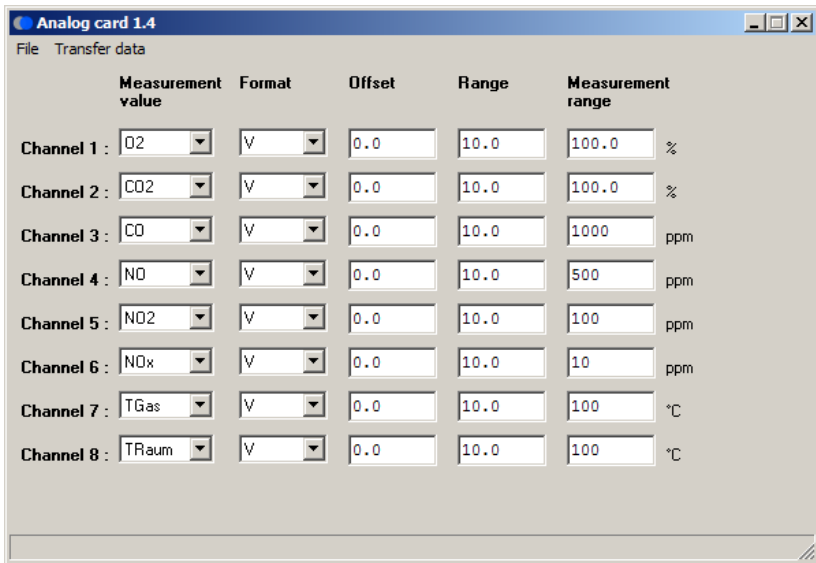 remote display

Construction

Analyser connection

Connection sockets signal

Connection sockets GND

RS 232 connection

Mains power connection

Channel number

Channel denomination

Software installation

-Connect USB stick with PC
-Open selection by **"Sart.exe"**
-choose „**Software Analogbox**" and install

Start program

-Start program while calling up „**Analogcard.exe**"

COM-Port definition

-Select under **"Transfer data"** / „**COM port…**" the available COM-Port for programming the analog box

Modification of channel seizure

In the column **"Measurement value"** the definition of channel / parameter is free selectable (click arrow symbol and make selection). The following parameters are selectable:

O2, CO, TGas, Lambda (Excess air), Eta (Efficiency), CO2, TRaum (TRoom), NO, SO2, NO2, CxHy, H2, NOx, Verluste (Losses), Sens6

which, depending on the analysers configuration, are provided by the connection of the remote unit.

Definition of analog signal

In the columns **"Format"**, **"Offset"**, **"Range"** and **"Measurement range"** the analog signal for the corresponding channel can be defined:

-**Format** = Current (mA)- or voltage signal (V)
 (click arrow symbol and make selection)

-**Offset** = Zero point drift (in mA or V)
 (Click input fielt and then input value)

-**Range** = max. voltage or current by measurement range end value
 (Click input fielt and then input value)

-**Measurement range** = max. measurement value
 (Click input fielt and then input value)

Configuration recording / loading

Once each channel has been defined the adjustments can be recorded (**"File"** / **"Save configuration…"**). All recorded adjustments can be called up again with **"File"** / **"Load configuration…"** and used for the programming of the analog box.

Programming analog box

-Perform voltage feeding via the power pack to the analog box (connection 15 V at analog box)
-Connect PC-COM-Port (must be first defined) via RS232 cable (seizure 1:1) with the RS232 connection at the analog box.
-With **"Transfer data"** / **"Write to box"** the displayed configuration will be transmitted to the analog box (analog outputs are programmed)

Scanning of analog box configuration

With **"Transfer data"** / **"Read from box"** it is possible to load the current configuration of the analog box in the software.

Connection of analog box to the instrument

-Perform voltage feeding via power pack to the analog box (connection 15 V at analog box)
-Connect instrument (connection **"Fernanzeige"** (**Remote monitor**) and analog box (connection **"zum Gerät"** (**to instrument**) or **"RS232"**) via cable included in delivery
-Switch on instrument
-Wait for termination of calibration phase
-Analog signals are processed according to the configuration

Technical Data

Max. output voltage
With power pack   10 V
Without power pack   8 V

Max. burden
With power pack   500 Ohm
Without power pack   400 Ohm

Digital signal   12 bit

Subject to technical changes
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