

Modbus RTU - Request - Function Code

03 Read Holding Register oder

04 Read Input Register

Modbus RTU - Default-Settings Anybus

RS485: 19200 baud, no parity, 2 stop bits, 8 data bits

Slave-Address: 1

float Data in Intel Type and Byte Data. They can be connected to the fieldbus at the serial interface. The binary data in Intel Format must be interpreted by the customer.

The by the manufacturer already programmed Anybus Communicator can be connected with the provided serial Interface Cable (see Page 92 Figure 25). The Communicator is powered by common 24 Volt.

The blocs are interpreted according to following memory pattern

Modbus
Register

No.	Name	Byte	Description
0 & 1*	1.	Float 4 Byte	inferior cal. val.
2 & 3*	2.	Float 4 Byte	superior cal. val.
4 & 5*	3.	Float 4 Byte	Wobbe i
6 & 7*	4.	Float 4 Byte	Wobbe s
8 & 9*	5.	Float 4 Byte	Important: After reading the two registers (each 2 bytes) they must be combined to a singel float value with 4 bytes. Byte order must be set according to memory scheme of Modbus master controller. * Depending on Modbus master register address representation could also start with register address "1". So heating value is found at address 1&2 and density is found at registers 9&10.
10 & 11*	6.	Float 4 Byte	
	7.	Float 4 Byte	
	8.	Float 4 Byte	
	9.	Float 4 Byte	CO
	10.	Float 4 Byte	Air min
	11.	Float 4 Byte	Reserve
	...	...	...
	20.	Float 4 Byte	12345.6789
	21.	Byte 1 Byte	Operation
	22.	Byte 1 Byte	Filter change
	23.	Byte 1 Byte	Reserve
	...	...	...