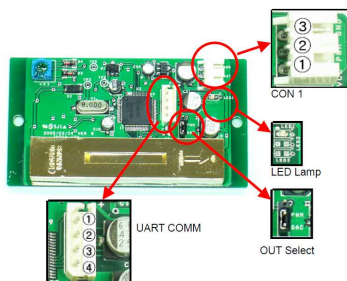
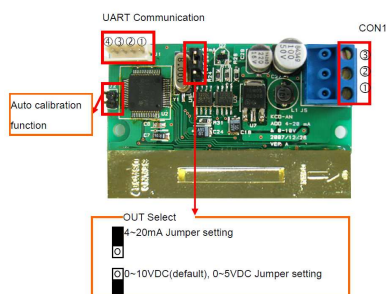


## Beschreibung UART Schnittstelle SEN CO2 100 2 und SEN CO2 O 100 2:



Art. Nr.: SEN CO2 100 2



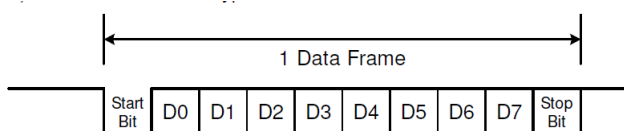
Art. Nr.: SEN O CO2 100 2

### 1. Anschlüsse

PIN No.	Name	Descriptions
1	DTR	FACTORY RESERVED
2	RST	FACTORY RESERVED
3	TXD	TRANSMIT DATA
4	RXD	RECEIVE DATA

\* WAFER : Yeonho Elec. YMW025-04R or Molex 5267-03

### 2. Datentyp



- BAUD RATE 38,400bps,
- Data Bits 8 bit
- Parity Bit no
- Stop Bit 1 bit

### 3. Kommunikationsprotokoll

COMMAND	1 byte	2byte	3byte	4byte
ASCII	#	H-DATA	L-DATA	CR
HEX	0x23	0x??	0x??	0x0D

- STX : shows the start of '#' protocol
- EOT : shows the end of CR protocol

### 4. Anweisung zur Übertragung

- 00~ 09 : Product information
- 10~19 : Read a Module's status
- 20~29 : Setting commands for factory calibration
- 30~39 : Setting commands for factory inspection
- 40~99 : Reserve

## Beschreibung UART Schnittstelle SEN CO2 100 2 und SEN CO2 O 100 2:

### 5. Beispiel CO2 Wert lesen

COMMAND	1 byte	2byte	3byte	4byte
ASCII	#	0	0	CR
HEX	0x23	0x30	0x30	0x0D

RETURN	1 byte	2byte	-	n-1 byte	n bytes
ASCII	#	Data 0	-	Data n	CR
HEX	0x23	0x??	-	0x??	0x0D

### 6. Beispiel CO2 Wert = 980 ppm

COMMAND	1 byte	2byte	3byte	4byte
ASCII	#	1	0	CR
HEX	0x23	0x31	0x30	0x0D

RETURN	1 byte	2byte	3byte	4byte	5 byte	6 byte
ASCII	#	0	9	8	0	CR
HEX	0x23	0x30	0x39	0x38	0x30	0x0D