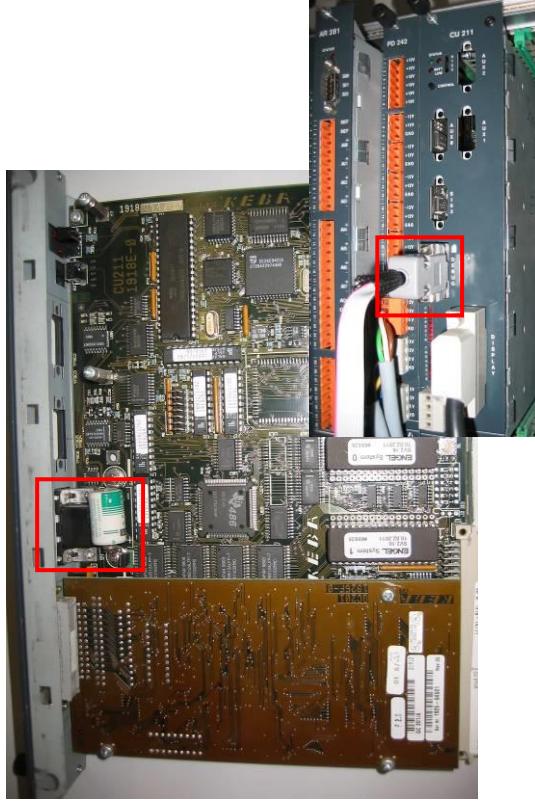


ENGEL

CC100 – Seriele IP

Hardware



- CU 211
- Debug-Anschluss
- Modul SI232



- Com-Server High Speed
- RS232/RS422/RS485
- 10/100BT
- 24V =

Verwendungsmöglichkeiten

- Prozessdaten
 - PD-Protokoll
- Betriebsdaten
 - Alarme, Störmeldeprotokolle, Statusinformationen usw.
- Teiledatentransfer

Software

Lizenz für EMS/Teleservice

Unter „Setup“ > „Lizenzübersicht“

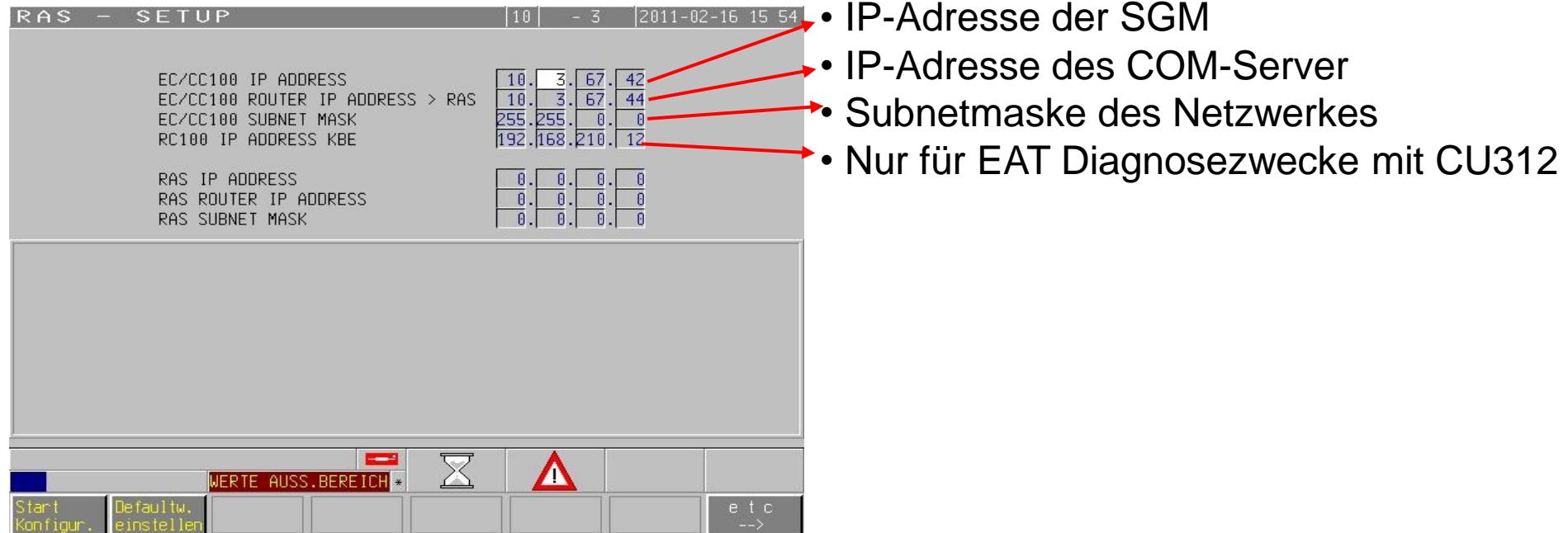
LIZENZÜBERSICHT				
ID	Funktion	Start-Datum	Ende-Datum	optionaler Wert
1	PROZESSDATEN PROTOKOLL	2003-04-30	-	0
2	MICROPLAST	2003-04-30	-	0
3	MICROFLOW	2003-04-30	-	0
4	MICROGRAF	2003-04-30	-	0
5	DUALITÄTSDATENSTATISTIK	2003-04-30	-	0
6	TELESERVICE	2003-04-30	-	0
7	ENGEL MONITORING SYSTEM	2003-04-30	-	0
8	MAXIMALE SCHLIESSKRAFT	2003-04-30	-	450 kN
9	WOCHENSCHALTUHR	2003-04-30	-	0
10	PROZESSDATEN GRAFIK UND CPC	2003-04-30	-	0

• Kontrolle ob Lizenz aktiv

Software

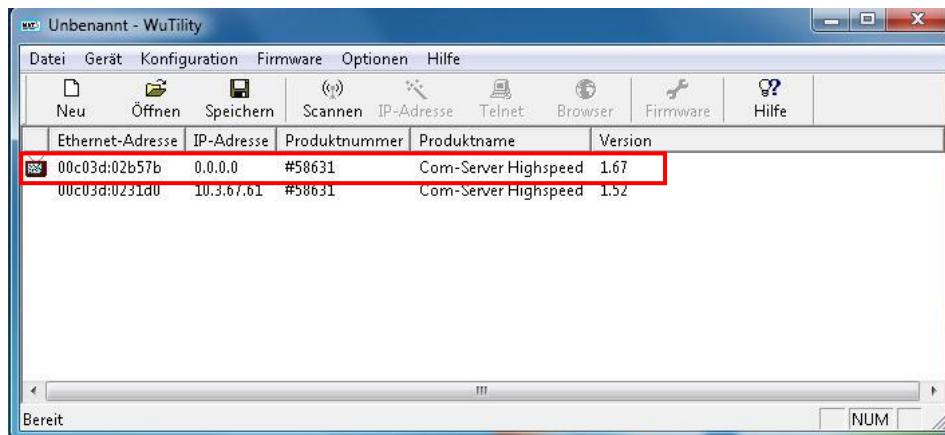
RAS-Setup

Lizenz unter „Setup“ > „Teleservice“ > „RAS-Setup“



Konfiguration COM-Server

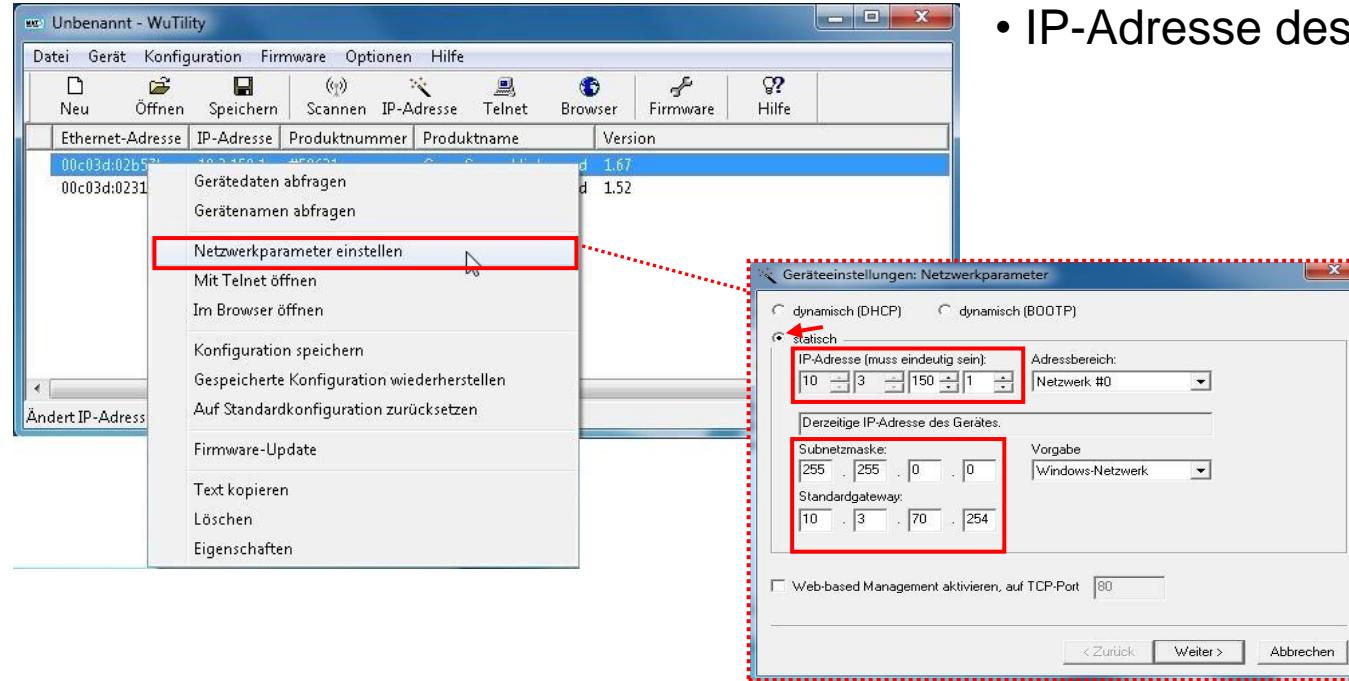
Konfiguration der Einstellungen



- Rechte Maustaste öffnet das Menü
- Auswahl von „Netzwerkparameter einstellen“

Konfiguration COM-Server

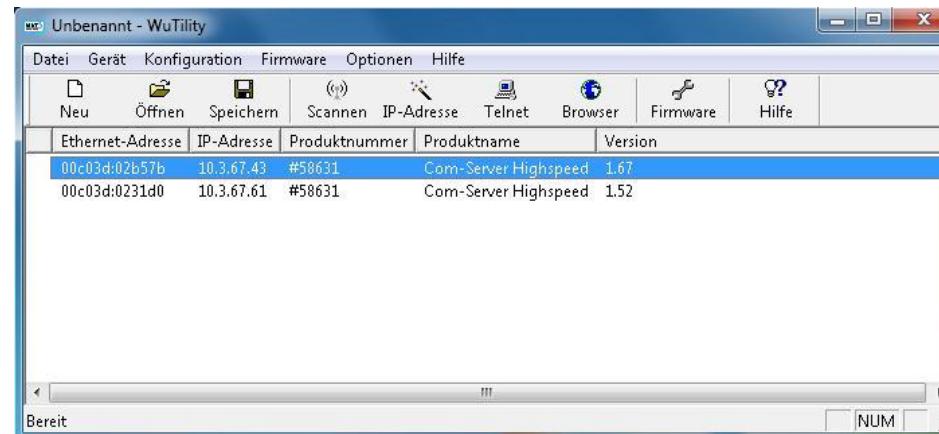
Netzwerkparameter Einstellen



- IP-Adresse des COM-Servers lt. RAS-Setup

Konfiguration COM-Server

Anzeige nach erfolgreicher Änderung der Einstellungen



Konfiguration COM-Server

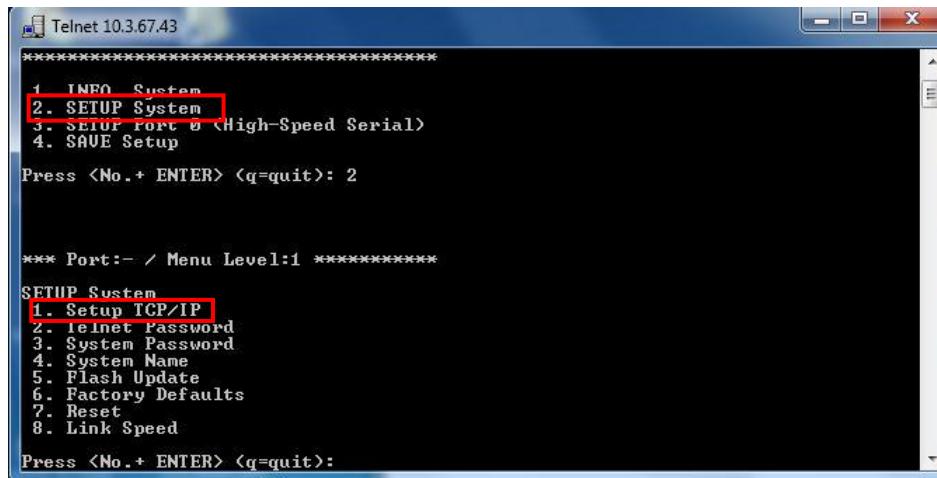
Konfiguration mit Telnet



- Detaileinstellungen für COM-Server

Konfiguration COM-Server

Telnet Einstellungen



The screenshot shows a Windows Telnet window titled "Telnet 10.3.67.43". The window displays a configuration menu with the following options:

```
*****
1. INFO System
2. SETUP System
3. Serial Port 0 <High-Speed Serial>
4. SAVE Setup
Press <No.+ ENTER> <q=quit>: 2

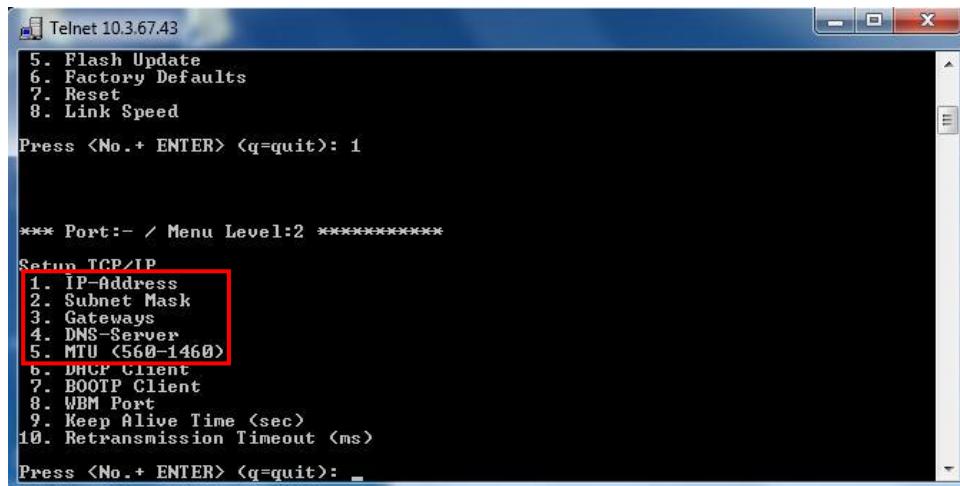
*** Port:- / Menu Level:1 *****
SETUP System
1. Setup TCP/IP
2. Telnet Password
3. System Password
4. System Name
5. Flash Update
6. Factory Defaults
7. Reset
8. Link Speed
Press <No.+ ENTER> <q=quit>:
```

The menu items are numbered 1 through 4. In the first menu, "INFO System" (option 1) and "SETUP System" (option 2) are highlighted with a red box. In the second menu, "Setup TCP/IP" (option 1) is highlighted with a red box.

- Setup System
- Setup TCP/IP

Konfiguration COM-Server

Telnet „Setup TCP/IP“ Einstellungen



- IP-Adresse > sollte bereits definiert sein
- Subnetzmaske > sollte bereits definiert sein
- Gateway > sollte bereits definiert sein
- MTU(Maximum Transmission Unit) >
Maximale Paketgröße des Protokolls 1020

Konfiguration COM-Server

Telnet Einstellungen

The screenshot shows a Telnet session window titled "Telnet 10.3.67.43". The device is identified as "Com-Server Highspeed" with the identifier "COMSERVER-02B57B". The menu structure is as follows:

- 1. INFO System
- 2. SETUP System
- 3. SETUP Port 0 (High-Speed Serial)** (This option is highlighted with a red box.)
- 4. SHVE Setup

Press <No.+ ENTER> <q=quit>: 3

*** Port:0 / Menu Level:1 ***

SETUP Port 0

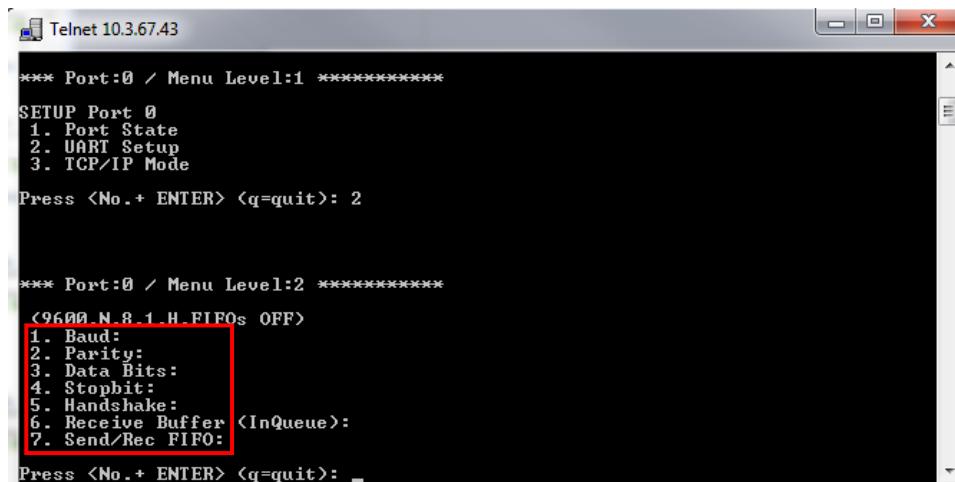
- 1. Port State
- 2. UART Setup** (This option is highlighted with a red box.)
- 3. TCP/IP Mode

Press <No.+ ENTER> <q=quit>:

- Setup Port
- UART Setup (Universal Asynchronous Receiver Transmitter) > detaillierte Einstellung für Senden und Empfangen von Daten

Konfiguration COM-Server

Telnet „UART-Setup“ Einstellungen



The screenshot shows a Telnet session window titled "Telnet 10.3.67.43". The command "SETUP Port 0" is entered, followed by "2" to select the "UART Setup" option. The menu then displays the following configuration options:

```
*** Port:0 / Menu Level:1 *****
SETUP Port 0
 1. Port State
 2. UART Setup
 3. TCP/IP Mode

Press <No.+ ENTER> <q=quit>: 2

*** Port:0 / Menu Level:2 *****
<9600,N,8,1,H,FIFOs OFF>
 1. Baud:
 2. Parity:
 3. Data Bits:
 4. Stopbit:
 5. Handshake:
 6. Receive Buffer <InQueue>:
 7. Send/Rec FIFO:

Press <No.+ ENTER> <q=quit>: _
```

- Baud > 115,2
- Parity > None
- Data Bits > 8
- Stopbit > 1
- Handshake > Hardware
- FIFO > ON

Konfiguration COM-Server

Telnet Einstellungen

The screenshot shows a Telnet session window titled "Telnet 10.3.67.43". The device is identified as "Com-Server Highspeed" with the identifier "COMSERVER-02B57B". The menu structure is as follows:

- 1. INFO System
- 2. SETUP System
- 3. SETUP Port 0 (High-Speed Serial) **Selected**
- 4. SHOW Setup

Press <No.+ ENTER> <q=quit>: 3

*** Port:0 / Menu Level:1 ****

SETUP Port 0

- 1. Port State
- 2. UART Setup
- 3. TCP/IP Mode **Selected**

Press <No.+ ENTER> <q=quit>:

- Setup Port
- TCP/IP Mode

Konfiguration COM-Server

Telnet „Slip-Router“ Einstellungen

The screenshot shows a Telnet session window titled "Telnet 10.3.67.44". The window displays a configuration menu for a "TCP/IP Mode" device. The menu options are:

- 1. Local Port <TCP/UDP>
- 2. Control Port <TCP>
- 3. TCP Client
- 4. UDP Client
- 5. Serial Socket Interface
- 6. Telnet Client
- 7. FTP Client
- 8. Box to Box
- 9. IP Bus Mode
- 10. SLIP Router** (This option is highlighted with a red box)
- 11. System Options

Below the menu, the command "Press <No.+ ENTER> <q=quit>: 10" is displayed. The prompt "Press <No.+ ENTER> <q=quit>: _" is shown at the bottom of the window.

- Net Adress > Einstellen der IP-Adresse der Maschine
- SLIP-Net Routing > OFF

Konfiguration COM-Server

Konfiguration speichern

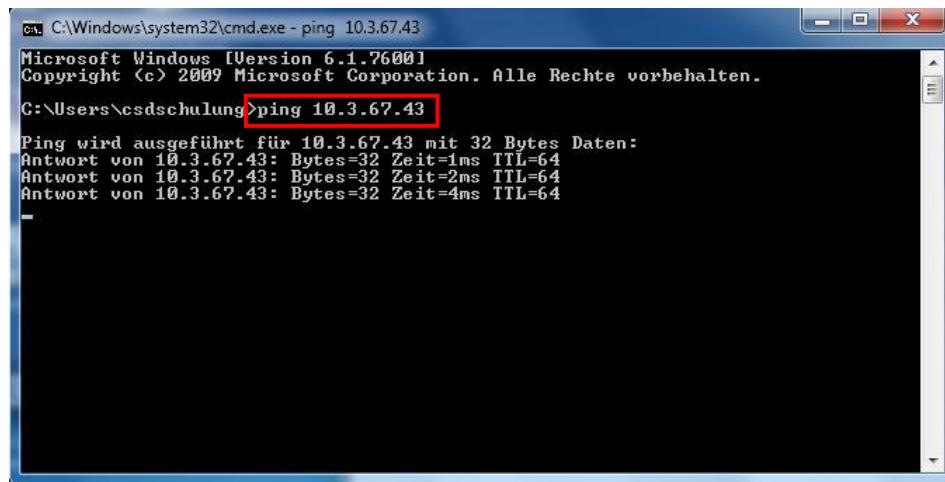
```
Telnet 10.3.67.43
7. Link Speed
Press <No.+ ENTER> <q=quit>:

*** Port:- / Menu Level:0 *****
1. INFO System
2. SETUP System
3. SETUP Port 0 <High-Speed Serial>
4. SAVE Setup
Press <No.+ ENTER> <q=quit>: 4

*** Port:- / Menu Level:0 *****
SAVE Setup
Save Changes? (Y): y
```

Funktionsstest

Ping



A screenshot of a Windows Command Prompt window titled 'cmd C:\Windows\system32\cmd.exe - ping 10.3.67.43'. The window shows the following text:
Microsoft Windows [Version 6.1.7601]
Copyright © 2009 Microsoft Corporation. Alle Rechte vorbehalten.
C:\Users\csdschulung>ping 10.3.67.43
Ping wird ausgeführt für 10.3.67.43 mit 32 Bytes Daten:
Antwort von 10.3.67.43: Bytes=32 Zeit=1ms TTL=64
Antwort von 10.3.67.43: Bytes=32 Zeit=2ms TTL=64
Antwort von 10.3.67.43: Bytes=32 Zeit=4ms TTL=64

- Ping auf die Adresse des COM-Servers
- COM-Server leitet die den Netzwerkverkehr weiter an Maschine
- tatsächlich wird die Maschine gepingt

Funktions-test

Kommunikation wird im SIO-Debugger angezeigt

```
TEST und PARAMETER | 00 | - 3 | 00-01-21 11:30
SIO-Debugger

INTERFACE      Baudrate      Framing          Info
# Name        In:   Out: Stopbits Databits Parity Inact Outcnt Inerr
4 pc-host     38400  38400  1       8   even   14264  22834  0

R 00 00 00 10 03 E3      10          10 02  00
T      10 02  00 F0 00 00 00 00 00 00 00 10 03 E3      10

R F0 00 00 00 00 00 00 00 00 10 03 E3      10
T      10 02  00 F0 00 00 00 00 00 00 00 00 00 10

R      10 02  00 F0 00 00 00 00 00 00 00 10 03 E3
T 03 E3      10          10 02

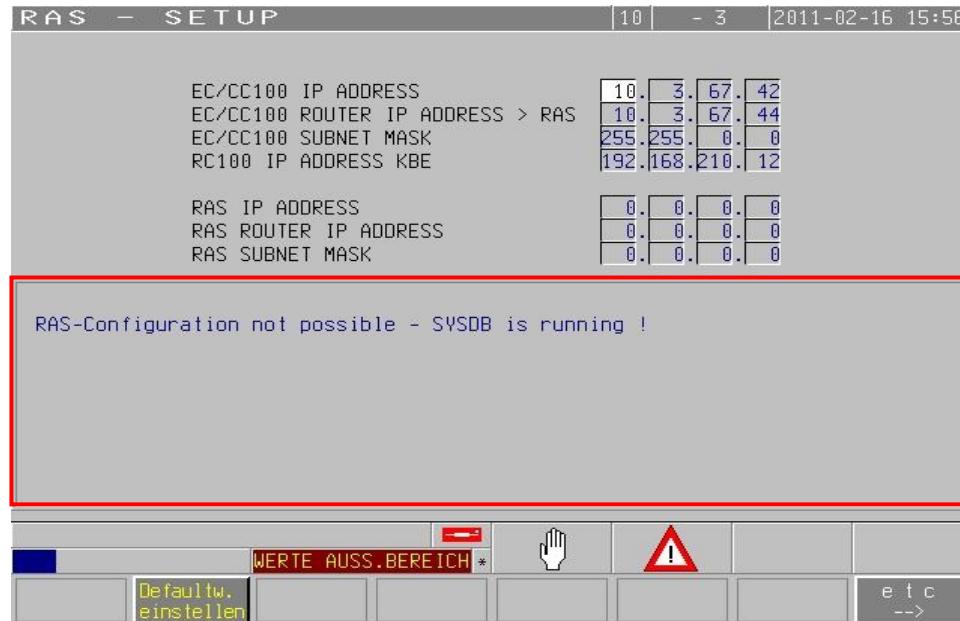
R          10 02  00 F0 00 00 00 00 00 00 00 00 00 10 03 E3
T 00 00 00 00 00 00 10 03 E3      10

R          10 02  00 F0 00 00 00 00 00 00 00 00 00 00 00 00
T 10 02  00 F0 00 00 00 00 00 00 00 10 03 E3      10

[REDACTED] WERTE AUSS.BEREICH 4 [REDACTED]
[REDACTED] ! [REDACTED]
Overview Stop ASCII [REDACTED] [REDACTED] EXIT
```

Funktions-test

RAS Konfiguration am Bildschirm



- Schnittstelle wird zu Inbetriebnahmezwecke verwendet
- Konstante 28457 in „Test und Parameter“-Menü muss auf 0 gesetzt werden
 - 1 = Verwendung für Inbetriebnahme
 - 0 = Verwendung für COM-Server

