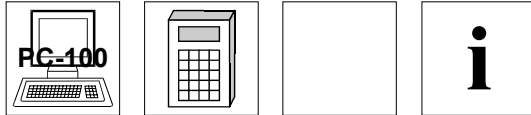


Display (Master-Slave)



- **Art.-No.: 485-00001**
- **6-digit display for the mounting of front panel**
- **Asynchronous-serial interface**
- **Programmable**
- **Monitor operation:**
Connect in parallel of several displays

General characteristic data

Operating voltage.....	11-27 V DC, 5% residual ripple
Programming over RS485.....	PC-100, programming terminal PT-100-N
Baud rate.....	4800 baud
Input current (without load)	0,15 A
Data transmission	asynchronous-serial
Display	7-segment LED, 6-digit, 16mm high
Standard case.....	impact-resistant plastic
Overall BxHxD.....	96 mm x 24 mm x 124 mm without connector
Mounting dimensions front panel (mm).....	92,5mm x 21mm x 167mm with connector, thickness of front panel max.

Pin configuration

(15-pole SUB-D socket)

Connection to TA-Mini and PT-100-N (PC-100)

Pin 1	RS 485-interface (PT-data -)
Pin 2	RS 485-interface (PT-data +)
Pin 3	Connect with US = slave-function
Pin 4, 5, 6	N.C. Pin 4
Pin 7	Connect with US = PT-function
Pin 8, 9, 10, 11	N.C.
Pin 12, 13	N.C.
Pin 14	Operating voltage (US 11-27VDC)
Pin 15	Operating voltage (GND 0V)

(9-pole SUB-D connector)





Connection to TA-MINI-encoder

Pin 1.....	RS 485-interface (PT-data -)
Pin 2.....	RS 485-interface (PT-data +)
Pin 3.....	US = slave-function
Pin 4.....	N.C.
Pin 5.....	N.C.
Pin 6.....	N.C.
Pin 7.....	US = PT-function
Pin 8.....	Operating voltage (US 11-27VDC)
Pin 9.....	Operating voltage (GND 0V)

Environmental data

Operating temperature.....	0-60°C (32° to 140°F)
Protection class.....	IP 43 (DIN 40 050)

Error messages

Display	Cause
	The positive position value is too high (> +999 999).
	The negative position value is too low (< -99 999).
	Wrong or no data transmission of the RS 485-interface between encoder and TA-MINI.
	Possibilities: <ul style="list-style-type: none"> • PT+, PT- not connected or incorrect polarity. • Several devices active at the bus at the same time. • TA-MINI doesn't disconnect from the interface, pin 7 high = PT-function. • Master-display doesn't exist, pin 3 high = slave-function.
Display remains dark	
	No operating voltage or incorrect polarity. After setting up the operating voltage, the functional TA-MINI practices the segment test with indication 8.8.8.8.8.8. approx. 2 sec..

Block diagram

