TX100 HMI Series
4" display with TX VisuPro Runtime
High-Quality Plastic Housing and Front Foil with a Resistive Touch
TX104-00VPST

- **4.3" TFT wide screen color display**
- **LED backlight**
- **480 x 272 pixel resolution**
- **64 K colors**
- **Resistive touch screen**
- **1 RJ45 Ethernet port**
- **1 serial interface (RS232, RS485, RS422)**
- **1 USB host port**

Type designation	TX104-00VPST
Ident-No.	100002311

Display / Touch	
Display	TFT colour
Touch	Resistive
Active screen area	4.3"
Resolution (pixels)	480 × 272 WQVGA
Format	16:9
Brightness	200 Cd/m² typ.
Dimmable	yes

Controller	
Processor	ARM Cortex A8, 300 MHz
Memory	2048 MB
RAM memory	256 MB
Add-on memory	1 x USB host port

Interfaces	
Onboard	1 x RJ45 Ethernet, 1 x RS232/485/422, 1 x USB host, 1 x power supply
Ethernet	1 x 10/100 Mbit
USB	1x Host Port
Serial	RS232 / RS485 / RS422

Power supply	
Rated value	24 VDC, max. 0.25 A
Admissible voltage range	18…32VDC

General data	
Operating ambient conditions	0…50 °C, 5…85 % rel. humidity, non-condensing
Storage ambient conditions	-20…70 °C, 5…85 % rel. humidity, non-condensing
Protection class	IP66 front, IP20 rear

Dimensions	
Front (W x H x D)	147x107x34mm
Cut-out (W x H)	136x96mm
Mounting depth	29+5 mm
Weight	approx. 0.4 kg
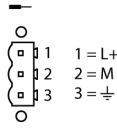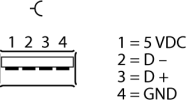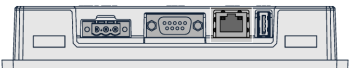
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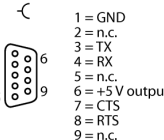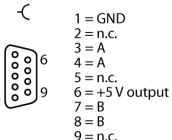# High-Quality Plastic Housing and Front Foil with a Resistive Touch
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Connection and pin assignment

	Power Supply The power supply connector is delivered with each device. It can be reordered at Turck as accessories. Type designation: TX-Mount-xx	**Pin Assignment** 1 = L+ 2 = M 3 = ⏚
	USB Interfaces	**Pin Assignment** 1 2 3 4 1 = 5 VDC 2 = D − 3 = D + 4 = GND
	Ethernet Ports The Ethernet ports are connected to each other via an internal switch. Ethernet cables (examples): **RJ45 male connector – RJ45 male connector:** RJ45S-RJ45S-4414-2M (order number: 6441423) **RJ45 male connector – M12 male connector, 4-pin, D-coded:** RSSD-RJ45S-4414-2M (order number: 6441413) **RJ45 male connector – M8 male connector, 4-pin:** PSGS4M-RJ45S-4414-2M (order number: 6933005) **RJ45 male connector — M12 female receptacle, 4-pin, D-coded:** RJ45-FKSDD-4414-2M (order number: 6935282)	**Pin Assignment** 12345678 1 = TX + 2 = TX − 3 = RX + 4 = n.c. 5 = n.c. 6 = RX − 7 = n.c. 8 = n.c.
	Serial Interface The serial interface can be operated either as RS232, RS485 or RS422. The adjacent wiring diagrams show the respective pin assignments. **Attention:** In the RS485 mode, pins 3 and 4 as well as 7 and 8 must be externally connected!	**Pin Assignment in RS232 Operating Mode** 1 = GND 2 = n.c. 3 = TX 4 = RX 5 = n.c. 6 = +5 V output 7 = CTS 8 = RTS 9 = n.c. **Pin Assignment in RS485 Operating Mode** 1 = GND 2 = n.c. 3 = A 4 = A 5 = n.c. 6 = +5 V output 7 = B 8 = B 9 = n.c. **Pin Assignment in RS422 Operating Mode** 1 = GND 2 = n.c. 3 = TX − 4 = RX − 5 = n.c. 6 = +5 V output 7 = RX + 8 = TX + 9 = n.c.