

TX100 HMI Series

7" display with TX VisuPro Runtime

High-Quality Plastic Housing and Front Foil with a Resistive Touch

TX107-00VPST



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

Type designation	TX107-00VPST
Ident no.	100002312
Display / Touch	
Display	TFT colour
Touch	Resistive
Active screen area	7"
Resolution (pixels)	800 × 480 WVGA
Format	16:9
Brightness	200 Cd/m² typ.
dimmmable	yes
Controller	
Processor	ARM Cortex A8, 1 GHz
Memory	4096 MB
RAM memory	512 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. 0.3 A
Admissible voltage range	10...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)	187x147x34mm
Cut-out (W x H)	176x136mm
Mounting depth	29+5 mm
Weight	approx. 0.6 kg


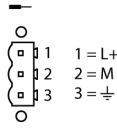

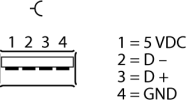
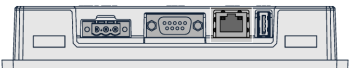


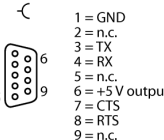
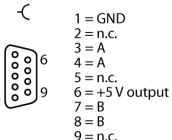
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Connection and pin assignment

	<p>Power Supply</p> <p>The power supply connector is delivered with each device. It can be reordered at Turck as accessories.</p> <p>Type designation: TX-Mount-xx</p>	<p>Pin Assignment</p> 
	<p>USB Interfaces</p>	<p>Pin Assignment</p> 
	<p>Ethernet Ports</p> <p>The Ethernet ports are connected to each other via an internal switch.</p> <p>Ethernet cables (examples):</p> <p>RJ45 male connector – RJ45 male connector: RJ45S-RJ45S-4414-2M (order number: 6441423)</p> <p>RJ45 male connector – M12 male connector, 4-pin, D-coded: RSSD-RJ45S-4414-2M (order number: 6441413)</p> <p>RJ45 male connector – M8 male connector, 4-pin: PSGS4M-RJ45S-4414-2M (order number: 6933005)</p> <p>RJ45 male connector – M12 female receptacle, 4-pin, D-coded: RJ45-FKSDD-4414-2M (order number: 6935282)</p>	<p>Pin Assignment</p> 
	<p>Serial Interface</p> <p>The serial interface can be operated either as RS232, RS485 or RS422. The adjacent wiring diagrams show the respective pin assignments.</p> <p>Attention: In the RS485 mode, pins 3 and 4 as well as 7 and 8 must be externally connected!</p>	<p>Pin Assignment in RS232 Operating Mode</p>  <p>Pin Assignment in RS485 Operating Mode</p>  <p>Pin Assignment in RS422 Operating Mode</p> 