

## 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. |
| Dimmable            | 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


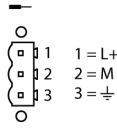

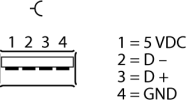
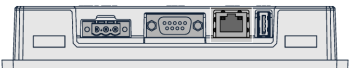


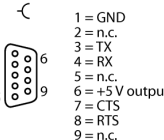
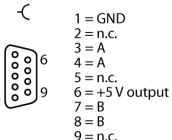
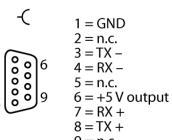
|                              |   |
|------------------------------|---|
| Operating ambient conditions | 0...50 °C, 5...85 % rel. humidity, non-condensing   |
| Storage ambient conditions   | -20...70 °C, 5...85 % rel. humidity, non-condensing |
| Protection class             | IP66 front, IP20 rear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

#### 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><b>Power Supply</b></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><b>Pin Assignment</b></p>    |
|    | <p><b>USB Interfaces</b></p>   | <p><b>Pin Assignment</b></p>    |
|  | <p><b>Ethernet Ports</b></p> <p>The Ethernet ports are connected to each other via an internal switch.</p> <p>Ethernet cables (examples):</p> <p><b>RJ45 male connector – RJ45 male connector:</b> RJ45S-RJ45S-4414-2M (order number: 6441423)</p> <p><b>RJ45 male connector – M12 male connector, 4-pin, D-coded:</b> RSSD-RJ45S-4414-2M (order number: 6441413)</p> <p><b>RJ45 male connector – M8 male connector, 4-pin: PSGS4M-RJ45S-4414-2M (order number: 6933005)</b></p> <p><b>RJ45 male connector — M12 female receptacle, 4-pin, D-coded: RJ45-FKSSD-4414-2M (order number: 6935282)</b></p> | <p><b>Pin Assignment</b></p>    |
|  | <p><b>Serial Interface</b></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><b>Attention:</b> In the RS485 mode, pins 3 and 4 as well as 7 and 8 must be externally connected!</p>  | <p><b>Pin Assignment in RS232 Operating Mode</b></p>  <p><b>Pin Assignment in RS485 Operating Mode</b></p>  <p><b>Pin Assignment in RS422 Operating Mode</b></p>  |