

TX100 HMI-serie

4" Economy-display met TX VisuPro Runtime

Hoogwaardige kunststof behuizing en folie met resistieve touch
TX104-00VPST

Type	TX104-00VPST
Identnr.	100002311

Display/aanraken	
Display	TFT color
Touchscreen	resistief, Frontfolie
Actief beeldvlak	4.3"
Resolutie (pixels)	480 × 272 pixels WQVGA
Formaat	16:9
Helderheid	200 cd/m² typ.
Dimbaar	Ja

Controller	
Processor	ARM Cortex A8, 300 MHz
Geheugen	2 GB Flash
RAM-geheugen	256 MB
Uitbreidingsgeheugen	1x USB host poort

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

Voeding	
Nominale waarde	24 VDC, 0,25 A maximaal
Toelaatbaar bereik spanning	10...32 VDC

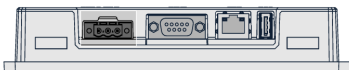
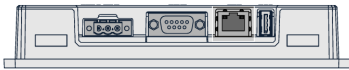
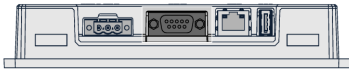
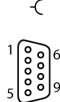
Algemene gegevens	
Werking omgevingsomstandigheden	0...50 °C, 5...85 % rel. luchtvochtigheid, niet condenserend
Opslag omgevingsomstandigheden	-20...70 °C, 5...85% rel. luchtvochtigheid, niet condenserend
Certificaten	CE cULus
Ex-certificaat	Haz. Loc. Class I, Division 2, Groups A, B, C and D
Beschermingsgraad	IP66 frontzijde, IP20 rugzijde NEMA-type: 2/4X

Afmetingen	
Front (L x H x D)	147 x 107 x 34 mm
Uitsnijding (B x H)	136 x 96 mm
Inbouwdiepte	29+5 mm
Gewicht	ca. 0.4 kg



- 4.3" breed scherm TFT kleurendisplay
- LED-achtergrondverlichting
- 480x272 pixels resolutie
- 64K kleuren
- resistief touch screen
- 1 RJ45 Ethernet poort
- 1 seriële interface (RS232, RS485, RS422)
- 1 USB host poort

aansluittechniek en pinbeleggingen

	spanningsvoeding De spanningsvoedingsstekker wordt bij elk apparaat meegeleverd. Deze kan bij Turck worden nabesteld als toebehoren. type: TX-Mount-xx	Pinbezetting  <table><tr><td>1</td><td>1 = 24 VDC</td></tr><tr><td>2</td><td>2 = 0 V</td></tr><tr><td>3</td><td>3 = $\frac{1}{2}$</td></tr></table>	1	1 = 24 VDC	2	2 = 0 V	3	3 = $\frac{1}{2}$																																																
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	USB-interfaces	Pinbezetting  <table><tr><td>1</td><td>1 = 5 VDC</td></tr><tr><td>2</td><td>2 = D -</td></tr><tr><td>3</td><td>3 = D +</td></tr><tr><td>4</td><td>4 = GND</td></tr></table>	1	1 = 5 VDC	2	2 = D -	3	3 = D +	4	4 = GND																																														
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	Ethernet-poorten De Ethernet-poorten zijn via een interne switch met elkaar verbonden. Ethernet-kabels (voorbeelden): RJ45 connector – RJ45 connector: RJ45S-RJ45S-4414-2M (bestelnummer: 6441423) RJ45 connector – M12 connector, 4-pol., D gecodeerd: RSSD-RJ45S-4414-2M (bestelnummer: 6441413) RJ45 connector – M8 connector, 4-pol., PSGS4M- RJ45S-4414-2M (bestelnummer: 6933005) RJ45 connector – M12 flenscontraconnector, 4-pol., D gecodeerd: RJ45-FKSDD-4414-2M (bestelnummer: 6935282)	Pinbezetting  <table><tr><td>1</td><td>1 = TX +</td></tr><tr><td>2</td><td>2 = TX -</td></tr><tr><td>3</td><td>3 = RX +</td></tr><tr><td>4</td><td>4 = n.c.</td></tr><tr><td>5</td><td>5 = n.c.</td></tr><tr><td>6</td><td>6 = RX -</td></tr><tr><td>7</td><td>7 = n.c.</td></tr><tr><td>8</td><td>8 = n.c.</td></tr></table>	1	1 = TX +	2	2 = TX -	3	3 = RX +	4	4 = n.c.	5	5 = n.c.	6	6 = RX -	7	7 = n.c.	8	8 = n.c.																																						
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	Seriële interface De seriële interface kan naar keuze als RS232, RS485 of RS422 worden aangesloten. De aansluitschema's hiernaast tonen de betreffende pinbezettingen. OPGELET: In de RS485 modus moeten de pinnen 3 en 4 alsook 7 en 8 extern worden verbonden!	Pinbezetting in de RS232 bedrijfsmodus  <table><tr><td>1</td><td>1 = GND</td></tr><tr><td>2</td><td>2 = n.c.</td></tr><tr><td>3</td><td>3 = TX</td></tr><tr><td>4</td><td>4 = RX</td></tr><tr><td>5</td><td>5 = n.c.</td></tr><tr><td>6</td><td>6 = +5 V output</td></tr><tr><td>7</td><td>7 = CTS</td></tr><tr><td>8</td><td>8 = RTS</td></tr><tr><td>9</td><td>9 = n.c.</td></tr></table> Pinbezetting in de RS485 bedrijfsmodus  <table><tr><td>1</td><td>1 = GND</td></tr><tr><td>2</td><td>2 = n.c.</td></tr><tr><td>3</td><td>3 = A</td></tr><tr><td>4</td><td>4 = A</td></tr><tr><td>5</td><td>5 = n.c.</td></tr><tr><td>6</td><td>6 = +5 V output</td></tr><tr><td>7</td><td>7 = B</td></tr><tr><td>8</td><td>8 = B</td></tr><tr><td>9</td><td>9 = n.c.</td></tr></table> Pinbezetting in de RS422-bedrijfsmodus  <table><tr><td>1</td><td>1 = GND</td></tr><tr><td>2</td><td>2 = n.c.</td></tr><tr><td>3</td><td>3 = TX -</td></tr><tr><td>4</td><td>4 = RX -</td></tr><tr><td>5</td><td>5 = n.c.</td></tr><tr><td>6</td><td>6 = +5 V output</td></tr><tr><td>7</td><td>7 = RX +</td></tr><tr><td>8</td><td>8 = TX +</td></tr><tr><td>9</td><td>9 = n.c.</td></tr></table>	1	1 = GND	2	2 = n.c.	3	3 = TX	4	4 = RX	5	5 = n.c.	6	6 = +5 V output	7	7 = CTS	8	8 = RTS	9	9 = n.c.	1	1 = GND	2	2 = n.c.	3	3 = A	4	4 = A	5	5 = n.c.	6	6 = +5 V output	7	7 = B	8	8 = B	9	9 = n.c.	1	1 = GND	2	2 = n.c.	3	3 = TX -	4	4 = RX -	5	5 = n.c.	6	6 = +5 V output	7	7 = RX +	8	8 = TX +	9	9 = n.c.
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Toebehoren

Type	Ident no.		Afmetingen
TX100-MOUNT-07	100003186	TX100 montagehouder en voedingsaansluiting voor 4" - 7" apparaten	

Functietoebereiden

Type	Ident no.		Afmetingen
TX-PSC	100002938	Connector voedingsspanning TX HMI-apparaten	