



www.fine-tek.com

Temperature Transmitter



Innovation · Quality · Sharing

SPECIFICATIONS

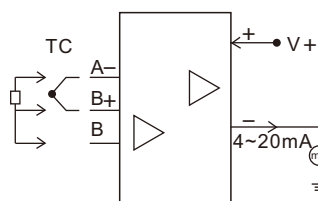


TYPE

TR160 Series

Economical type

Input : RTD, TC,
Rohm, mV,
Linear Current,
Linear Voltage



Function summary

Features:

Power supply(Vdc)	18~36V
Ambient temp. range(°C)	-40~85
Isolation	None
Channels	1
CJC accuracy(°C)	± 1

Input:

PT100 Span /min. span(°C)	-200~850 / 10
Rohm Span /min. Span(Ω)	0~400 / 5
TC types	B, E, J, K, N, R, S, T
Linear Current, signal range	0~20mA, 4~20mA
Linear Voltage, signal range	0~0.5V, 0~1V, 0~5V, 0~10V, 0~20V

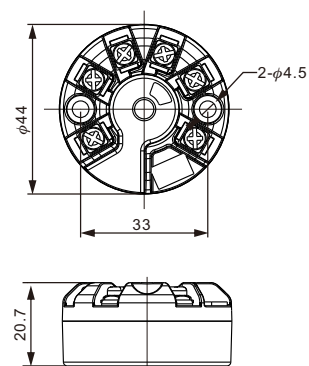
Output:

Loop Power 2-wire output	4~20mA/20~4mA
--------------------------	---------------

Technical summary

	Basic Accuracy	Temperature Coefficient
PT100	$\leq \pm 0.5^{\circ}\text{C}$	$\leq \pm 0.005^{\circ}\text{C}$
Rohm	$\leq \pm 0.4\Omega$	$\leq \pm 0.005^{\circ}\text{C}$
TC type: E, J, K, N, T	$\leq \pm 4^{\circ}\text{C}$	$\leq \pm 0.04^{\circ}\text{C}$
TC type: B	$\leq \pm 3^{\circ}\text{C}$	$\leq \pm 0.01^{\circ}\text{C}$
TC type: R, S	$\leq \pm 3^{\circ}\text{C}$	$\leq \pm 0.04^{\circ}\text{C}$
TC type: T	$\leq \pm 2^{\circ}\text{C}$	$\leq \pm 0.01^{\circ}\text{C}$
Voltage	$\leq \pm 0.1\text{mV}$	$\leq \pm 0.005^{\circ}\text{C}$

Dimensions



(Unit: mm)

MODEL NUMBER / ORDER CODE COMPARISON TABLE

Model Number	Order Code
TR160	TRX20100-A

ORDER INFORMATION

TRX 2 0 1 0 0 - A ^⑩☐ ^⑪☐ ^⑫☐ ^⑬☐

⑩ ⑪ Input range

V1: 0~0.5V
V2: 0~1V
V3: 0~5V
V4: 0~10V
V5: 0~20V
I1: 4~20mA
I2: 0~20mA
T1: ALL
T2: K Type -200°C~1370°C
TK: K Type -90°C~320°C
T3: J Type -210°C~1200°C
TJ: J Type -90°C~320°C
T4: T Type -200°C~400°C
T5: E Type -200°C~1000°C
T6: R Type -50°C~1760°C
T7: S Type -50°C~1760°C
T8: B Type -250°C~1820°C
T9: N Type -200°C~1300°C
TA: PT 100 -200°C~850°C
R1: 0~400 Ω

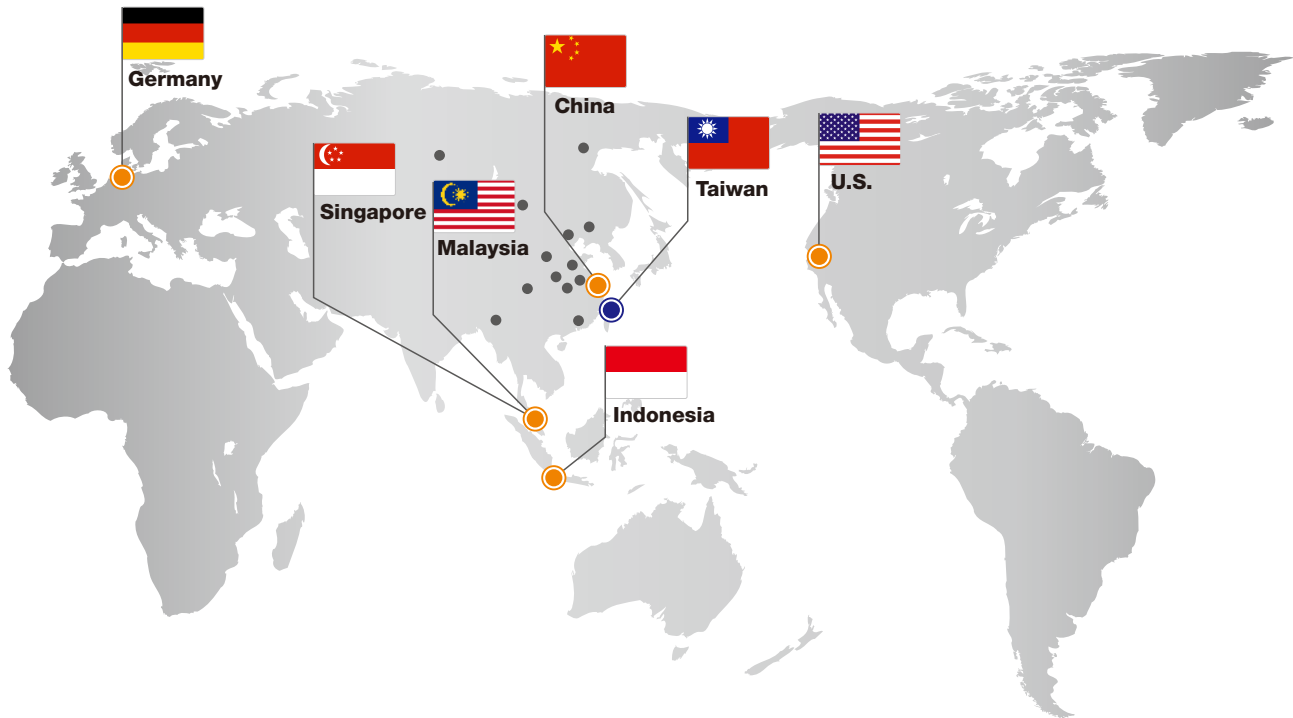
⑫ Analog output

1: 4~20mA
2: 20~4mA

⑬ Display unit

A: °C
B: °F

Global Network



■ Head Quarte

● Taiwan

FineTek Co., Ltd. - Taipei Head Quarter 
No.16, Tzuchiang St., Tucheng Industrial Park
New Taipei City 236, Taiwan
TEL: 886-2-2269-6789
FAX: 886-2-2268-6682
EMAIL: info@fine-tek.com

■ North America

● California, U.S.

Aplus Finetek Sensor Inc. - US Office
355 S. Lemon Ave, Suite D, Walnut,
CA 91789
TEL: 1 909 598 2488
FAX: 1 909 598 3188
EMAIL: info@aplusfine.com

■ Europe

● Germany

FineTek GmbH - Germany Office
Bei den Kämpen 26
21220 Seevetal-Ramelsloh, Germany
TEL: +49-(0)4185-8083-12
FAX: +49-(0)4185-8083-80
EMAIL: info@fine-tek.de

■ Asia

● China

Fine automation Co., Ltd. - Shanghai Factory 
No.451 DuHui Rd, MinHang District, Shanghai,
China 201109
TEL: 86-21-6490-7260
EMAIL: info.sh@fine-tek.com

● Singapore

FineTek Pte Ltd. - Singapore Office
37 Kaki Bukit Place, Level 4 Singapore 416215
TEL: 65-6452-6340
EMAIL: info.sg@fine-tek.com

● Indonesia

PT. FineTek Automation Indonesia - Indonesia Office 
Tunas Bitung Industrial Park Blok C3 No.12 dan No.15
Jalan Raya Serang Km.13.8 Kabupaten Tangerang 15710 Banten
TEL: 62 (021)-2958-1688
EMAIL: info.id@fine-tek.com

● Malaysia

FineTek Co., Ltd. - Malaysia Office
8-05, Plaza Azalea, Persiaran Bandaraya,
Seksyen 14, 40000 Shah Alam, Selangor, Malaysia
TEL: 603-5524-7168
EMAIL: info.my@fine-tek.com

● Müttec Instruments GmbH - Germany Office

Bei den Kämpen 26
21220 Seevetal-Ramelsloh, Germany
TEL: +49-(0)4185-8083-0
FAX: +49-(0)4185-8083-80
EMAIL: muetec@muetec.de



Distributor: