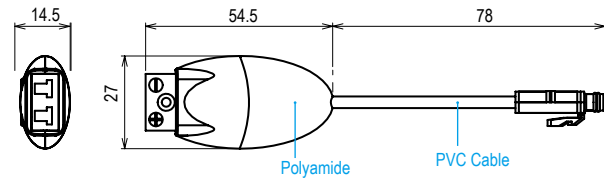


TCM-3010



Provided with TR-55i-TC

Thermocouple Module



[Unit: mm]

Compatible Sensors	Thermocouple: Type K, J, T, S
Measurement Range	within the sensor heat-durability range only
Measurement Resolution	Type K, J, T : 0.1°C Type S : about 0.2°C
Measurement Accuracy	Cold Junction Compensation *
	-40 to 10°C: ±0.5°C 10 to 40°C: ±0.3°C 40 to 80°C: ±0.5°C
Measurement Accuracy	Thermocouple Measurement *
	Type K, J, T : ±0.3°C+0.3% of reading Type S : ±1 °C+0.3% of reading
Operating Environment	Temperature -40 to 80°C Humidity 90%RH or less (no condensation)
Sensor Connection	Make sure to use a thermocouple sensor with a miniature thermocouple plug attached. T&D does not make available these plugs or sensors for sale.
Notes	Can be extended by 3 meters with the Extension Cable TR-3C30

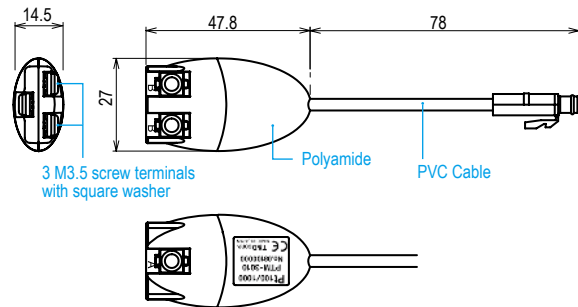
* Does not include inaccuracies of sensor actually connected.

PTM-3010



Provided with TR-55i-Pt

Pt Module



[Unit: mm]

Compatible Sensors	Pt100 (3-wire, 4-wire) Pt1000 (3-wire, 4-wire) In the case of a 4-wire sensor, one wire will be left unused.
Measurement Resolution	0.1°C
Measurement Accuracy *	Ambient Temperature of Input Module -40 to 10°C: ±0.5°C + 0.3% of reading 10 to 40°C: ±0.3°C + 0.3% of reading 40 to 80°C: ±0.5°C + 0.3% of reading
Operating Environment	Temperature -40 to 80°C, Humidity 90%RH or less (no condensation)
Accessories	Protection Cover
Notes	Can be extended by 3 meters with the Extension Cable TR-3C30

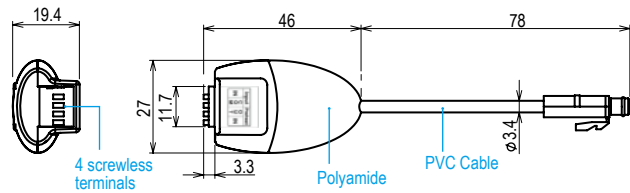
* Does not include inaccuracies of sensor actually connected.

VIM-3010



Provided with TR-55i-V

Voltage Module



[Unit: mm]

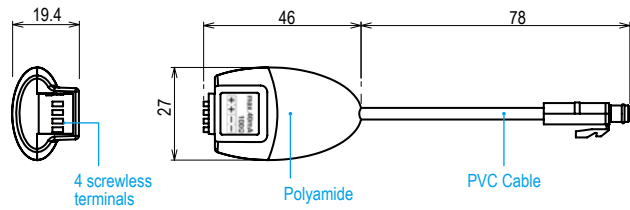
Measurement Item	Voltage 0 to 22 V
Measurement Resolution	Up to 400 mV : 0.1 mV Up to 800 mV : 0.2 mV Up to 999 mV : 0.4 mV Up to 3.2 V : 1 mV Up to 6.5 V : 2 mV Up to 9,999 V : 4 mV Up to 22 V : 10 mV
Measurement Accuracy	Ambient Temperature of Input Module -40 to 10°C: $\pm 1 \text{ mV} + 0.5\%$ of reading 10 to 40°C: $\pm 0.5 \text{ mV} + 0.3\%$ of reading 40 to 80°C: $\pm 1 \text{ mV} + 0.5\%$ of reading
Preheat Function	Voltage Range (Preheating): 3V to 20V100mA Time Range (Preheating): 1 to 999 seconds (in units of one-second) Capacitor Load: 330 μ F or less
Operating Environment	Temperature: -40 to 80°C , Humidity: 90%RH or less (no condensation)
Notes	Can be extended by 3 meters with the Extension Cable TR-3C30

AIM-3010



Provided with TR-55i-mA

4-20mA Module



[Unit: mm]

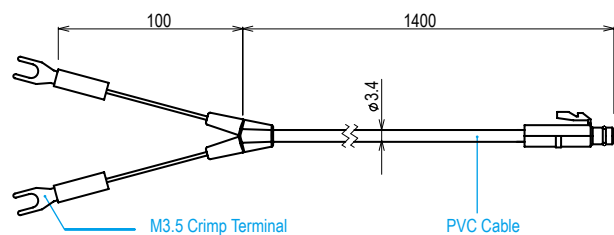
Input Resistance	0 to 20mA Operational up to 40 mA
Measurement Resolution	0.01mA
Measurement Accuracy	Ambient Temperature of Input Module -40 to 10°C: $\pm 0.1 \text{ mA} + 0.3\%$ of reading 10 to 40°C: $\pm 0.05 \text{ mA} + 0.3\%$ of reading 40 to 80°C: $\pm 0.1 \text{ mA} + 0.3\%$ of reading
Input Resistance	100 Ω $\pm 0.3\Omega$
Sensor Connection	Cable Insertion Connection: Plus(+) 2 Parallel Terminals, Minus(-) 2 Parallel Terminals: Total 4 Terminals
Compatible Wires	Single wire: $\phi 0.32$ to $\phi 0.65 \text{ mm}$ (AWG28 to AWG22), $\phi 0.65 \text{ mm}$ (AWG22) recommended Twisted wire: 0.32mm ² (AWG22), $\phi 0.12 \text{ mm}$ or more in diameter Strip length: 9 to 10mm
Operating Environment	Temperature: -40 to 80°C , Humidity: 90%RH or less (no condensation)
Notes	Can be extended by 3 meters with the Extension Cable TR-3C30

PIC-3150



Provided with TR-55i-P

Pulse Input Cable

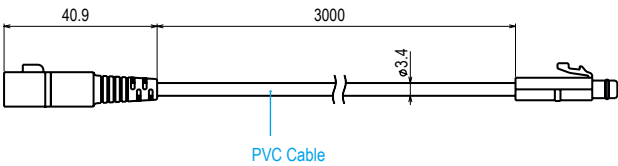


[Unit: mm]

TR-3C30



Input Module Extension Cable



[Unit: mm]

Temperature Durability	-25 to 60°C
Waterproof Capacity	Splash proof (rated for use in daily life)
Compatible Sensors / Modules	Temp-Humidity Sensor: SHB-3101 (Previous Model HHB-3101) Input Module: TCM-3010, PTM-3010, VIM-3010, AIM-3010, PIC-3150
Conditions for Use	Only one cable per sensor or module.