

GDP
SUPPORT

Digital Tmep. Sensor

High-accuracy, -reliability, Calibration support

For data collection of recorders, etc. for which evidence is required

TATEYAMA®

Features

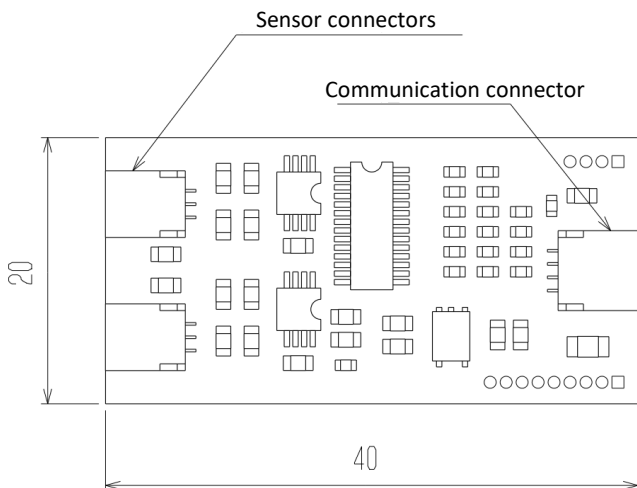
- The temperature detection probe uses our own temperature detection element
- Calibration is available together with temperature transducers
 - ➔Temperature detection probe can be customized (housing, cable material, etc.)
 - ➔Quality assurance and traceability of the entire system of detectors and converter

Application

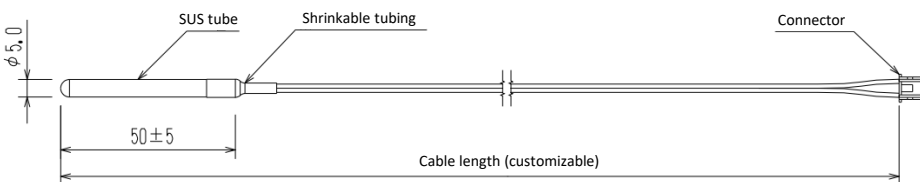
- Recorders that require evidence
(Digital tachographs, semiconductor, pharmaceutical manufacturing process)

Appearance (as of SEP. 2021)

- Temp. converter

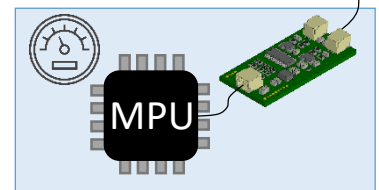


- Probe (*ref.)



Use case

- Temp. record of refrigerator for chemical storage
 - ➔ We guarantee the temperature information.



Customer-designed recorders

Specification (as of SEP. 2021)

TYPE	I2c typ.	UART typ.
Number of detection channels	2 channels	
Temp. sensor type	Platinum Resistance Thermometer	
Probe measurement range	-90~90°C	
Accuracy / resolution	less than $-90 \leq T \leq 0^\circ\text{C}$ $\pm 0.5^\circ\text{C}$, less than $0 < T \leq 90^\circ\text{C}$ $\pm 1.0^\circ\text{C}$	
Operating temp. & humidity *for converter	-20~60°C / 0~95%RH	
Communication interface	I2c (VDD-GND level)	UART (VDD-GND level)
Power	3.3V	
Power consumption	Less than 300mW	
Communication Protocol	Modbus RTU / Original(select at shipping)	

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CAUTION

All specifications are subject to change without prior notice.