

All Smart Temperature Gauge

TECOM “All Smart Temperature Gauge “ is a new generation temperature measuring equipment. It consists of three parts: the integrated temperature gauge, the smart IoT Gateway (Internet of Things), and the smart Phone Apps.

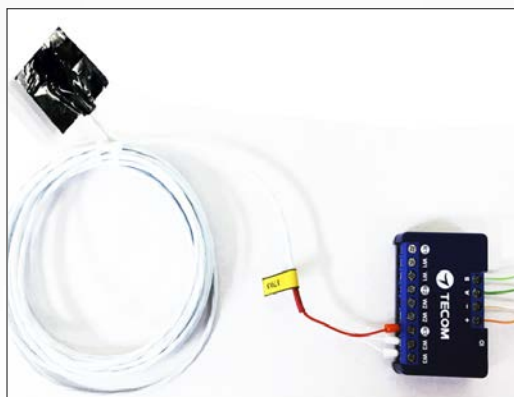
The integrated gauge integrates temperature sensor and sensor signal transducer. The Output of the gauge is in the RS-485 format.

The gauge is stuck on the machine equipment under monitoring, via RS-485 it is connected to the AG-300 IoT Gateway, which can make connections between the temperature gauge and remote smart mobile devices. The IoT push notification function can make temperature monitoring, reporting, alarming and diagnosis be operated remotely, interactively and in real time. This fits the Mobile-Maintenance (MM), a strong new trend in repair operations.

Functions

- ◆ Temperature Monitoring
- ◆ Real-time reading report on-demand
- ◆ Trending data report on-demand
- ◆ Over threshold alarm
- ◆ Sudden rise (rate of change) alarm
- ◆ Real-time, interactive diagnosis
(Market leading)

Product Images



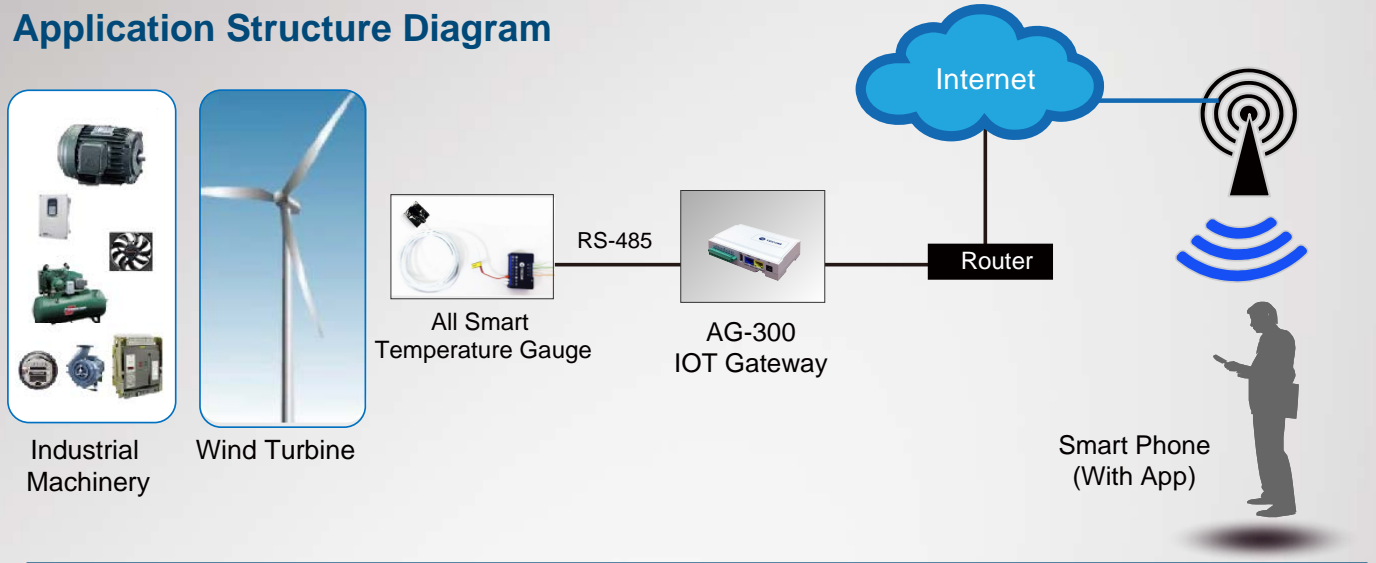
The integrated temperature gauge



AG-300 IoT Gateway

All Smart Temperature Gauge

Application Structure Diagram



TT-300 Specification

- Power voltage : 24VDC +10%
- Power consumption : 0.1Amp
- Working temperature : -20°C~85°C
- Capacity : 3 TS-200 (PT100) access
- Output signal : RS485
- Accuracy : $\pm 1^{\circ}\text{C}$
- Size : 52 x 32 x 16mm
- Weight: 20g

TS-200 Specification

- Sensor : PT100 Ω Thermistor B class
- Range : -15°C~105°C
- Accuracy : DIN IEC 751 Class B
- Response time : 200°C/2S
- Resistance" Gasoline, Acetone, Detergent, Medium Acid/Alkaline
- Install : Stick-on Backing Tape
- Outlet wire material : PVC/2000mm
- Adhesion specifications (clean metal surface) : ASTM D-3654(3M)
- Adhesive test after 5 minutes :

1000g	800g	500g
50°C	93°C	149°C

Smart Phone Display

