

SM39TWB Wireless digital temperature transmitter

Description

SM39TWB wireless temperature transmitter is a high-precision, intelligent temperature measuring instrument developed by our company in accordance with the latest national standards. It employs a high-accuracy PT100 resistance temperature detector as the sensing element, delivering excellent performance with high accuracy, strong vibration resistance, minimal temperature drift, outstanding stability, and simple operation for precise temperature measurement across a wide range of applications.

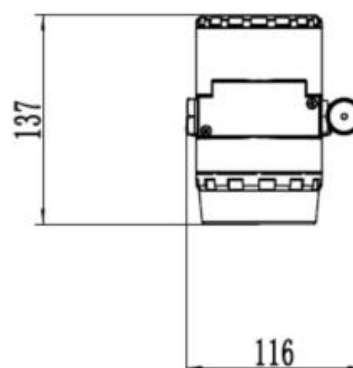
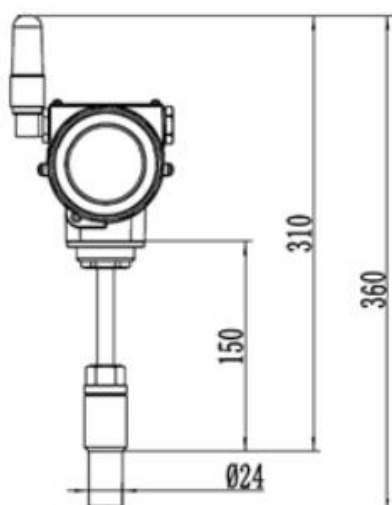


Characteristics:

- Industrial temperature measurement, already deployed in major oil and gas fields nationwide and other industrial sectors.
- Explosion-proof design: flameproof aluminum enclosure with intrinsically safe circuitry.
- Protection class IP67, fully sealed and waterproof.
- Zigbee communication; can be configured and tested as a coordinator or router in the network.
- 4½-digit LCD shows temperature and battery voltage.
- LEDs indicate reset, configuration mode, network entry, and data acquisition.
- Adjustable mounting orientation via the supplied swivel or union fitting on the thermowell.
- Adjustable insertion depth: the probe length, and thus insertion depth, can be set using the supplied union fitting.

Dimensions

(In mm. 1mm=0.03937 inches)



Circuit Diagram :

two-
wire
syst
em:
E

Specification :

XC
+:
red
E
XC-
blac
k

Type	Technical parameters
Nominal load range	-200~ 600℃
output signal	Zigbee
Class precision	0.5%FS
Zero Balance	≤0.1%FS
Power supply	3.6V Battery-powered
rated current	50mA
rated power	0.18W
Pressure interface	1/2" NPT(M) , M20*1.5,R1/2
Operating temperature	-40℃≤Tamb≤+65℃
Material material	cast aluminium
Protection type	IP67 (IEC60529)
explosion-proof sign	Ex d IIC T4 Gb
Explosion-proof number	CE13.2134X