TC301- Digital Temperature Stick

TC301- TC-301 is a portable, precise, user-friendly, and dependable digital temperatrue stick, making it an excellent choice for measuring the temperature of molten metals in foundries and steel mills. It is compatible with molten steel, bronze, cast iron, aluminum alloys, copper, gold, brass, and silver.

Key Feature:

- Memory feature that stores data (temperature readings, date, and time) and transfers it to the device.
- Ability to save up to 1000 readings.
- Easy to assemble, portable, and suitable for use in harsh conditions.
- System accuracy of ± 3°C.
- Auto power shut-off feature.
- Front indicators for ready, measuring, and complete cycle status.
- Available with Type K, S,R and B thermocouple Tips.
- Rechargeable Battery Operated with automatic Low battery Indication
- Bright Digital Display
- Lance length 24″ to 72″ , Custom Length available
- Tip angle Straight, 45° & 90°
- Low Power Consummation
- Wireless Option available for remote display unit

Technical Specifications-

Measuring Range & thermocouple type:

- Type R (Platinum-Rhodium 13% / Platinum): Up to 1750°C (3092°F)
- Type S (Platinum-Rhodium 10% / Platinum): Up to 1750°C (3092°F)
- Type B (Platinum-Rhodium 30% / Platinum-Rhodium 6%): Up to 1750°C (3092°F)
- Type K (Chromel(+) vs Alumel(-): Up to 1200°C (2192°F)

Operating Temperature for Indicator- 0 - 50°C
Accuracy- ±1°C
Power Supply- 1.2 v Each AA Battery
Calibration Standard- IPTS 68
Housing- NEMA rated dust proof panel
Display : 4 Digit, 7 Segments LED's
Response Time: < 5 Sec for R/S/B
                < 30 Sec for K

Order Code-

	1	2	3	4
TC301				

For Example- TC301-S-45-48

1. THERMOCOUPLE TYPE

CODE	
K	Chromel(+) vs Alumel(-)
R	Platinum 13 % Rhodium (+) Platinum (-)
S	Platinum 10 % Rhodium (+) Platinum (-)
B	Platinum 30 % Rhodium (+) Platinum 6% Rhodium (-)

2. LANCE ANGLE

CODE	
0	0°
45	45°
90	90°

3. LANCE LENGTH

CODE	
36	36"
48	48"
60	60"

4. INDICATOR TYPE

CODE	
01	STD. SINGLE MEMORY
02	With Internal Data Logging
03	Wire Less Data Logging

Indicator

Lance Length

Lance tube

Thermocouple Tip