



KLIXON® | Probe Assemblies

Custom Immersion-Type Thermostat Probes

FEATURES

- Various Klixon® thermostats in custom probe assemblies
- Preset temperature set points, non-adjustable calibration
- Normally open or normally closed
- Hermetically sealed (probe only)
- Extreme temperature, fast response, narrow differential or custom probe assembly configurations
- Qualified to MIL-S-24236, MIL-S-24236/2, MIL-S-24236/11, and MIL-S-24236/25 (order by MS number)

INTRODUCTION

To meet a wide range of application requirements, Klixon® probe-type thermostat packages are available in a variety of sizes, configurations, and thermal characteristics. Select from one of our existing designs, or specify custom requirements to suit your needs.

- **Extreme Temperature Probes:**
Constant speed drives, aircraft refrigeration systems, food processing equipment, and missile hydraulic systems often require protection from or indication of extreme high or low temperatures. These Klixon® snap-acting thermostat probes are designed to provide reliable, consistent performance over a long cycle life in the harshest of environments. These probes provide excellent shock and vibration resistance and operate as low as -65°F and as high as 550°F and incorporate the reliable Klixon M1/11041 thermostat.
- **Fast Response Probes:**
Quick response to rapidly changing temperature is a virtue of the low thermal mass series of probe. The Klixon® 3BT Tiny Stat™ is located at the end of the probe for ultimate sensitivity. Quick response to rapidly changing temperatures is a virtue of the low thermal mass series probes.
- **Narrow Differential Control Probes:**
These thermostat probes accurately open and close with a narrow 2° to 8°F differential, providing close temperature control in applications ranging from environmental to power tube coolant systems. Probe assembly incorporates the reliable Klixon® M2 thermostat.



STANDARD PART NUMBER BUILDER

21542 - 03 - xxx - 01

1. Package Type

Extreme Temperature (M1 thermostat)

21542 = 3/4" - 16 thread w/ connector

21543 = 1/2" pipe thread w/ leads

21548 = 3/4" - 16 thread w/ leads

21549 = 1/2" pipe thread w/ connector

Narrow Differential (M2 thermostat)

21545 = 1/2" pipe thread w/ leads

21546 = 3/4" - 16 thread w/ connector

21547 = 3/4" - 16 thread w/ leads

21550 = 1/2" pipe thread w/ connector

Fast Response (3BT thermostat)

21544 = 1/8" pipe thread with leads

21557 = 1/8" pipe thread with connector

21561 = 7/16" - 20 thread with leads

21562 = 7/16" - 20 thread with connector

2. Probe Length

XX = value of 2 times the length of probe needed
 Probes lengths available in 1/2" increments from 1" to 6",
 length measured from bottom of hex to tip of probe
*For example, for a 1.5" probe, part number would
 require a **03***

3. Operating Characteristics

XXX = 3-digit code to be assigned by Sensata Technologies
 based on the customers specific requirements for the
 thermostat within the assembly

4. Wire Lead

01 = 6"

02 = 12"

03 = 18"

...etc...

Lengths are in increments of 6 inches.

For connectors, please contact Sensata Technologies
 for the code