20139 SHEET 1 OF 1

ORDERING INFORMATION:

20139 FREEZER PROBE - PLATINUM RESISTANCE THERMOMETER

ACURACY
-10 100 OHMS ±10 OHM @ 0°C

ELEMENT/LEAD WIRE CONFIGURATION

-4 FOUR WIRE SINGLE ELEMENT

"L" SHEATH LENGTH (10.0" MAX - 3.5" MIN.)

SPECIFY "L" LENGTH IN INCHES

"Y" CABLE LENGTH

SPECIFY CABLE LENGTH IN INCHES (50' OR 600' MAX.)

"D" SHEATH DIAMETER

Ø 0.25

20139 -10 -A .6 .120 -A TYPICAL PART NUMBER

NOTES:

⚠️ END OF CABLE MUST REMAIN OUTSIDE OF FREEZER TO MAINTAIN MOISTURE SEAL.

2. PROBE IS SPECIALLY SEALED FOR USE IN A FREEZER AND OTHER LOCATIONS WHERE EXPOSED TO LIQUID WATER AND SUB-ZERO TEMPERATURES.

3. PROBE INCLUDES CALIBRATION AT -196, -38, .01, 100, & 200°C. A TABLE FROM -200 TO 200°C IN 1°C INCREMENTS WILL BE PROVIDED.

TOLERANCES - UNLESS OTHERWISE SPECIFIED

ALL DIMENSION IN INCHES

FRACTIONS ≤ 1/16
ONE PLACE: X = ±.050
TWO PLACE: XX = ±.010
THREE PLACE: XXX = ±.005
ALL ANGLES ARE ± 0°30’

SHEATH AND LEAD LENGTHS PER BURNS P/N 17026

UNLESS OTHERWISE NOTED: ALL SURFACES 125
ALL FINISHES IN MICRO INCHES

BURNS ENGINEERING

MOUNTING AND OUTLINE DRAWING, BURNS, FREEZER TYPE PRT, 100 OHMS .003925 TEMP. COEFF.

REFERENCES

REF. 20140

DIMENSIONS IN INCHES

SHEET 1 OF 1

SIZE A

DRAWING NUMBER 20139

REV C