ENGINEERING PRODUCT SPECIFICATION RELEASE

B-1130

INDUSTRIAL & OEM TEMPERATURE SENSORS SERIES H, M, T, P

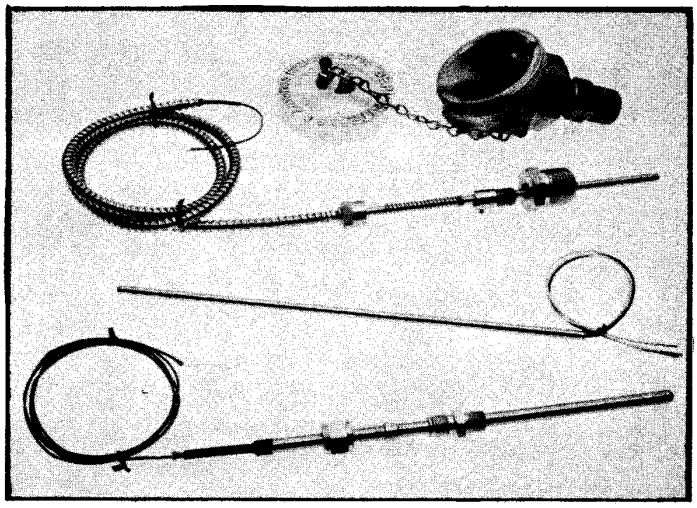
BEC TEMPERATURE SENSORS ARE AVAILABLE IN **THREE** BASIC VERSONS

RESISTANCE TEMPERATURE DETECTORS

THERMOCOUPLES

PLATINUM GLASS COATED CERAMIC ELEMENTS

All BEC temperature sensors are manufactured from the highest quality material for detecting temperatures in bearings, boilers, kilns, molds, ovens, pipelines, platens, cylinder heads, etc.



RESISTANCE TEMPERATURE DETECTORS

All BEC resistance temperature detectors may be used with conventional resistance measuring, control or alarm circuits.

Thermocouple wire conforms to rigid chemical, physical and electrical specifications and matches accepted temperature/millivolt curves within standard ANSI accuracy limits.

All resistance dectors and thermocouple probes may be used in liquids and gases under pressure to 500 PSI, with thermowell to 6000 PSI.

SERIES H

High Temperature Probes -200° C + 600° C
(-328°F to 1112°F)
(Reducing to 500° C at Lead Wire End of Cable)

SERIES M

Mid-Range Probes, -100° C to + 260°C
(-148° F to + 500 °F)

THERMOCOUPLES

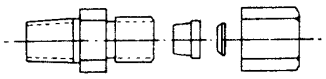
SERIES T

High Temperature, 0° C to + 871° C
(32° F to 1600° F)

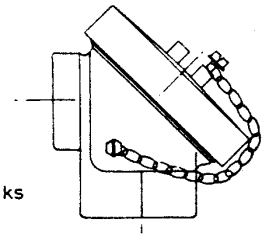
PLATINUM GLASS COATED CERAMIC

SERIES P

High Temperature Elements, -200° to 600°C
(-328°F to + 1112°F)



Thermocouple Grip Fittings



Thermocouple Heads
and Connector Blocks

COMPLETED ASSEMBLIES CAN BE SUPPLIED BY BEC AS WELL AS SEPERATE FITTINGS AND ACCESSORIES.

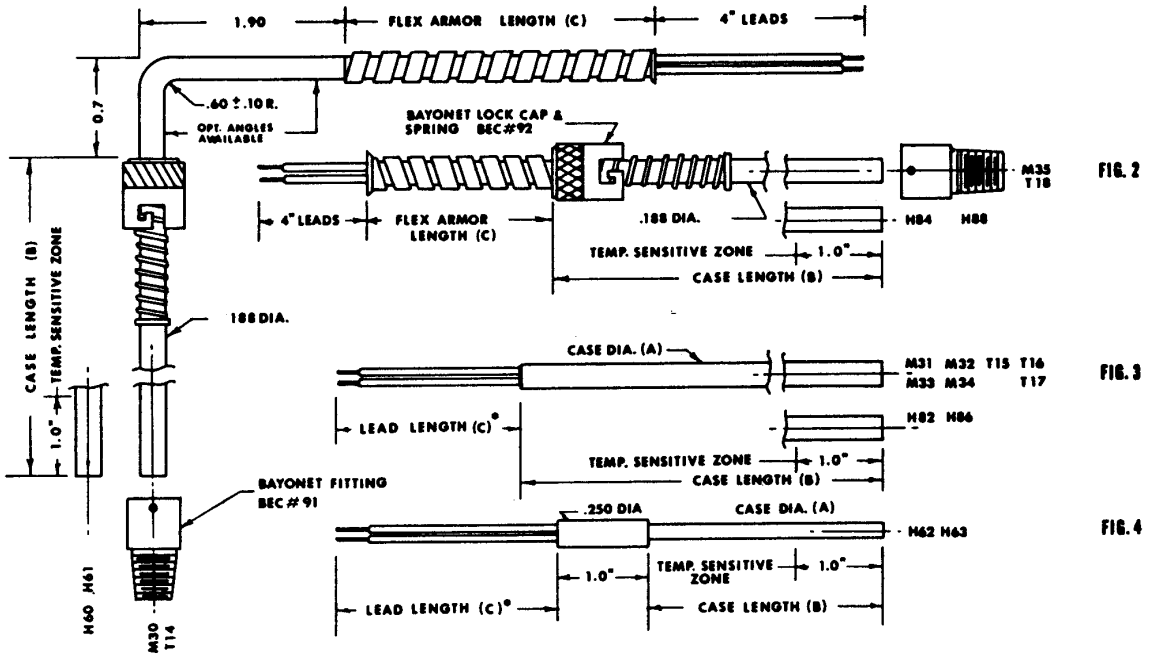
REFER TO COMPLETE PRODUCT SPECIFICATIONS

SPECIAL BEC TEMPERATURE SENSORS WILL BE FABRICATED TO CUSTOMER SPECIFICATIONS

ENGINEERING PRODUCT SPECIFICATION RELEASE

SERIES H, M, T, P, INDUSTRIAL & OEM TEMPERATURE SENSORS

STANDARD MODELS



*LEAD LENGTH (C) AVAILABLE AS LEAD WIRE, FLEXIBLE ARMOR, STAINLESS STEEL OR COPPER BRAID

NOTE: (FOR FIG. I and II) TO DETERMINE CORRECT CASE LENGTH (B), MEASURE THE HOLE OR IMMERSION DEPTH AND ADD 1 1/8"

FIG. 1

HOW TO ORDER: (SERIES H & M)

MODEL H82 - P - 48 - 2 - 24L

SERIES

ELEMENT MATERIAL

- P - PLATINUM
- C - COPPER
- N - NICKEL
- I - NiFe

CASE LENGTH (B)"

NO: OF LEADS (D)

LEAD, ARMOUR OR BRAID LENGTH (C)"

- L - LEAD WIRE
- A - ARMOUR
- S - STAINLESS STEEL BRAID
- C - COPPER BRAID

(SERIES T)

MODEL T14 - K - G - 48 - 24L

SERIES

ELEMENT MATERIAL

- K - CHROMEL, ALUMEL
- J - IRON, CONSTANTAN
- T - COPPER, CONSTANTAN
- E - CHROMEL, CONSTANTAN

JUNCTION

- G - GROUND
- U - UNGROUNDED

CASE LENGTH (B)"

LEAD, ARMOUR OR BRAID LENGTH (C)"

- L - LEAD WIRE
- A - ARMOUR
- S - STAINLESS STEEL BRAID
- C - COPPER BRAID