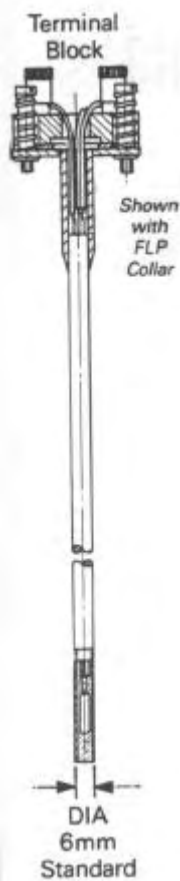


Process Industry

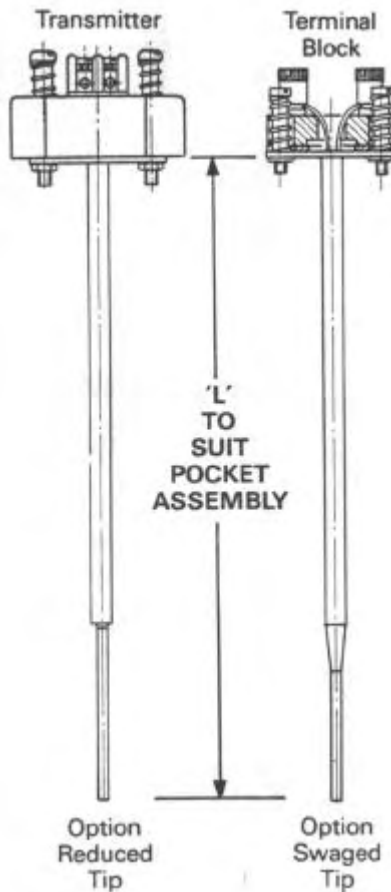
TEMPERATURE SENSOR SPRUNG LOADED INSERT ASSEMBLIES



RESISTANCE THERMOMETER

SPECIFICATIONS

- Detector Grade Available
- BS 1904
- Class 'A'
- Class 'B'
- DIN 93760
- Standard
- 1/3rd
- 1/5th
- 1/10th
- CONFIGURATION
- 2,3 and 4 Wire
- Duplex
- Fast Response
- Reduced Tip
- High Operating Temperature
- FLP Collar



THERMOCOUPLE

SPECIFICATIONS

- 'E' Cu/CON
- 'J' Fe/CON
- 'K' NiCr/NiAi
- 'N' Nicrosil/Nisil
- 'T' Cu/CON
- With ST/ST
- INCONEL Sheath Material
- Calibration to BS 4937 Standard and High Accuracy Grades



THERMOWELLS & POCKETS

Solid drilled barstock, fabricated welded, forged and coated Thermowells. Used for maintaining process fluid integrity enabling sensor/indicator insertion and removal without plant shut-down.

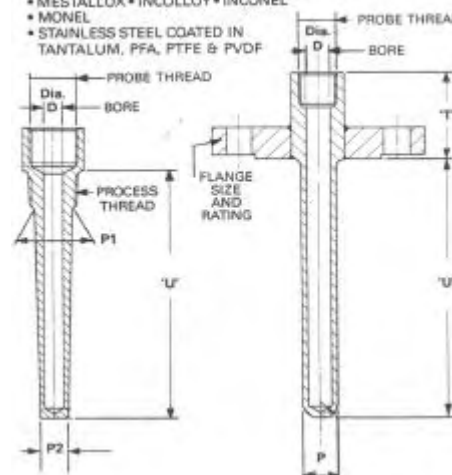
Thermowells and Pockets are generally designed and manufactured to comply with British Standards and specification available on request.

When European standards and specifications available these will be the standard used.

Solid Drilled Thermowells are supplied with traceable material certificates and full dimensional check as standard. Additional as follows:

- PRESSURE TESTING
- DYE PENETRANT TESTING
- RADIOGRAPHY
- HEAT TREATMENT
- NACE MR 01 75
- FULL DOCUMENTATION TO SPECIFIC REQUIREMENTS

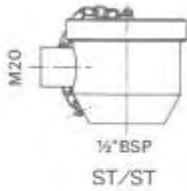
Available in various materials including:
 • BRASS • CARBON STEEL • STAINLESS STEEL (316 Grade Standard), • DUPLEX
 • MESTALLOX • INCOLLOY • INCONEL
 • MONEL
 • STAINLESS STEEL COATED IN TANTALUM, PFA, PTFE & PVDF



Process Industry

CONNECTION HEADS

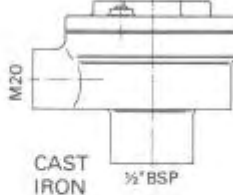
IP65 Type 10*



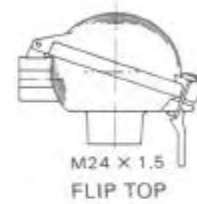
EEx ib 11c T5
IP65 Type 11*



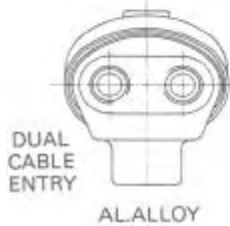
EExd 11c T6
IP67 Type 14



IP65 Type 16



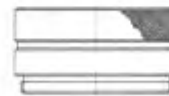
IP65 Type 18*



Type 19*



Adaptor



*Extension Adaptor suitable for mounting Dual Transmitter or Transmitter with Terminal Block assemblies

MATERIAL: STAINLESS STEEL (OTHERS AVAILABLE)

TO SPECIFY STATE:

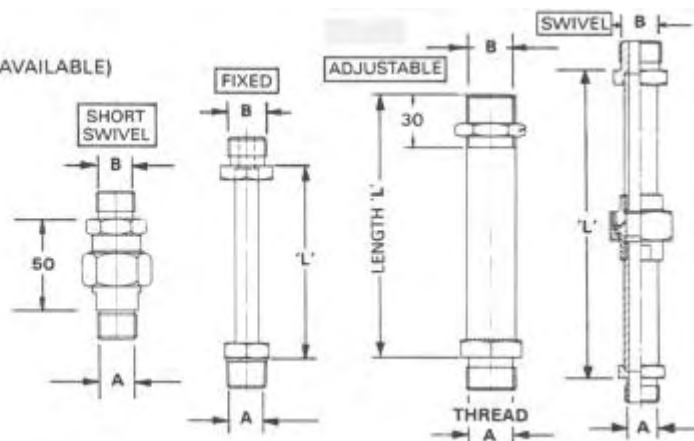
THREAD 'A' = THERMOWELL FITTING

THREAD 'B' = CONNECTION HEAD

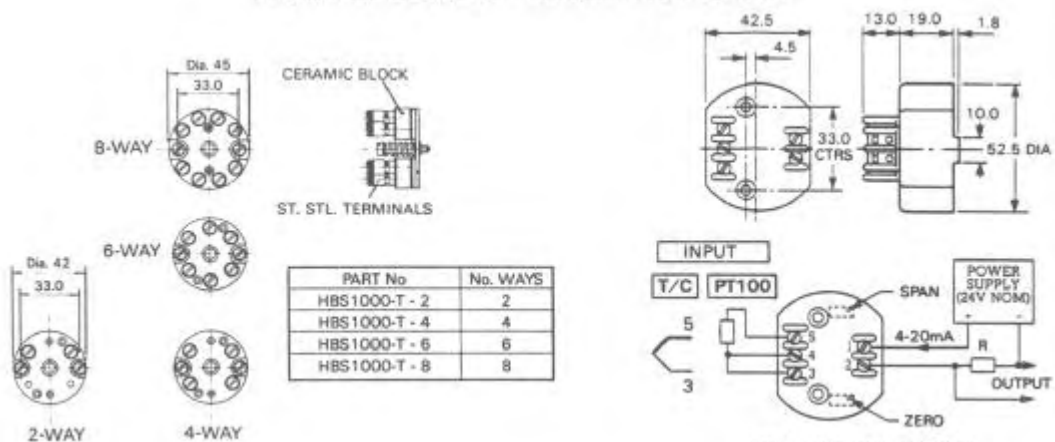
'L' = EFFECTIVE EXTENSION LENGTH

MATERIAL:

FOR FIXED EXTENSIONS THE ELECTRICAL ENTRY POSITION CANNOT BE VARIED. ALL OTHERS ENABLE ADJUSTMENT OF THE HEAD FOR OPTIMUM WIRING CONNECTION.



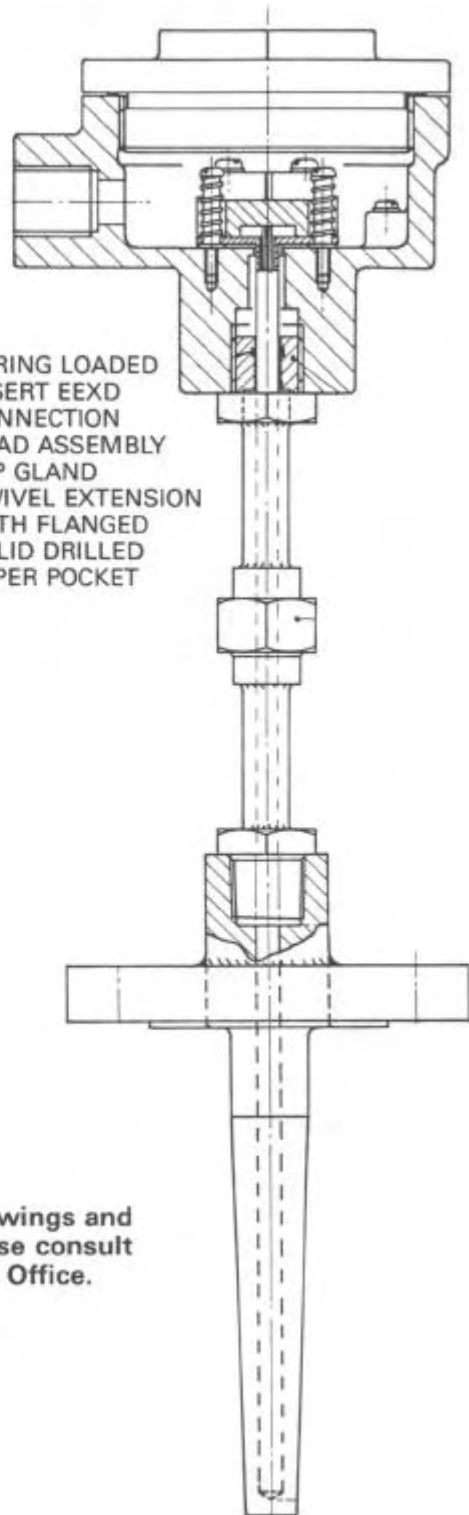
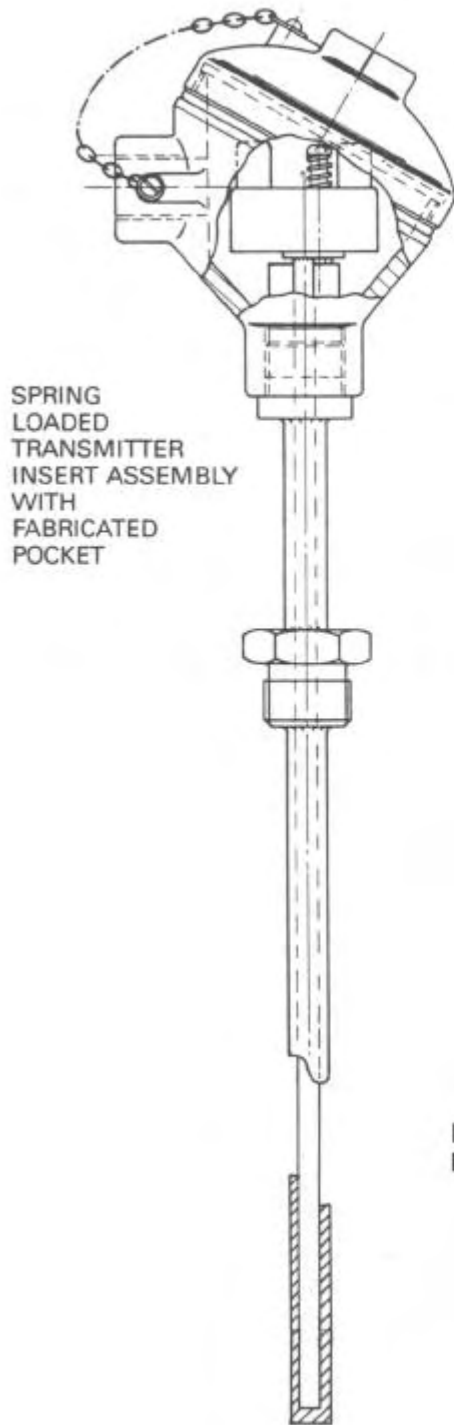
TERMINAL BLOCK & TRANSMITTER DETAIL



FOR FULL TECHNICAL SPECIFICATION SEE HBS004

Process Industry

TYPICAL ARRANGEMENT OF ASSEMBLED PROBES & POCKETS



For Part Numbers, Drawings and Full Specification please consult H&B Sensors Sales Office.