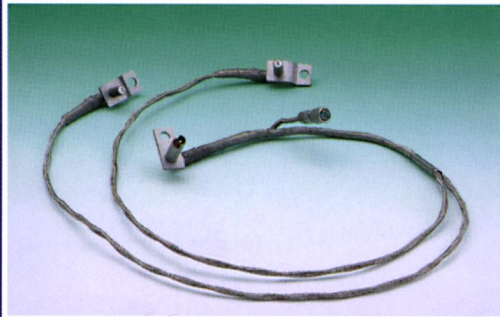
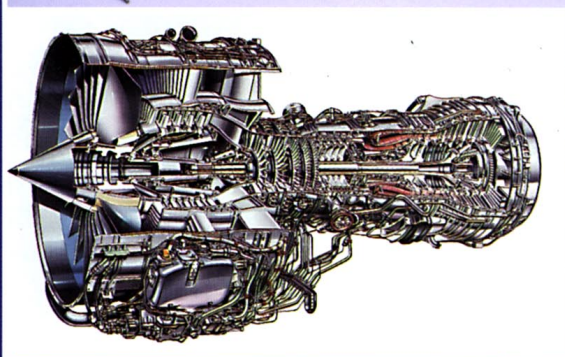
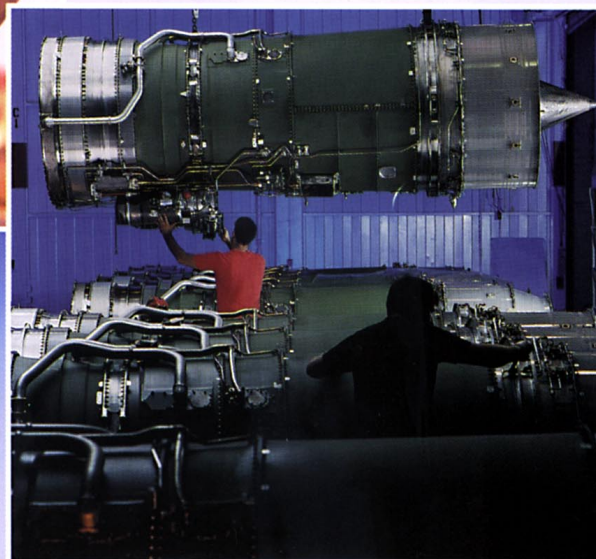
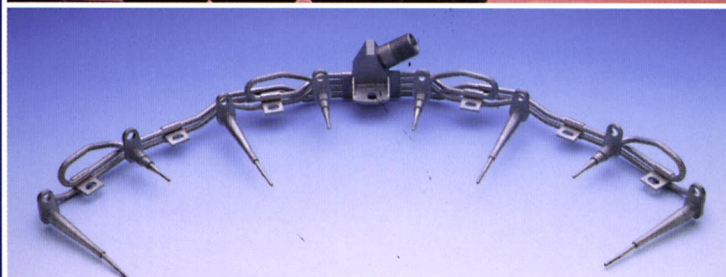


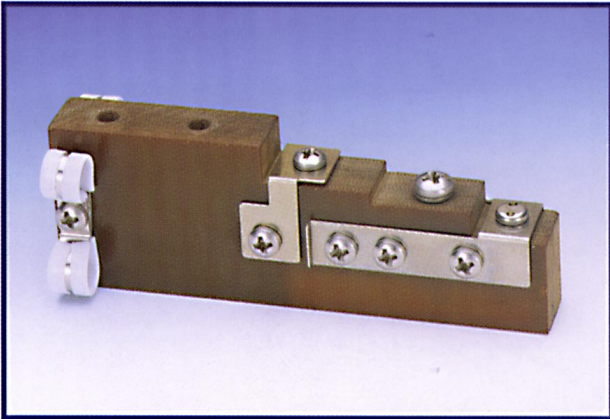
HARCO

***Sensors, Thermocouples
and Cable Assemblies***



HARCO: COMBINING WORLDWIDE AEROSPACE TECHNOLOGY WITH PERSONAL SERVICE

Since its founding in 1951, Harco's primary mission has been the combining of practical experience, technical ability and advanced manufacturing techniques in the design and fabrication of thermocouple systems and high temperature cables for the aerospace industry. We recognize the need to continue to adhere to the highest standards of quality, reliability and customer service to maintain our position as an industry leader in product design well into the next century.



THERMOCOUPLE JUNCTION BOX

Temperature compensated or non-compensated designs provide averaged or individual outputs. Constructed for rugged reliability and either environmentally sealed or exposed for easy access. Available in all standard thermocouple calibrations. Optional design provides temperature shunts. Standard temperature range:

-65° to +1100° F

Higher and lower temperature ranges available.



SENSOR AND LEAD

A hermetically sealed thermocouple with a gas tight bulkhead feed-through and high temperature cable. Available in multiple immersion depths.

Sensor temperature range: -65° to +2000° F

Cable temperature range: -65° to +800° F

Termination temperature range: -65° to +500° F



REPLACEABLE ELEMENT PROBES

These probes feature a low cost, field replaceable thermocouple element. Body incorporates separate gas sampling ports, and aerodynamic body shape decreases gas path blockage. Stagnation design increases accuracy.

Sensor temperature range: - 65° to + 2000°F

SENSORS, THERMOCOUPLE AND CABLE ASSEMBLIES



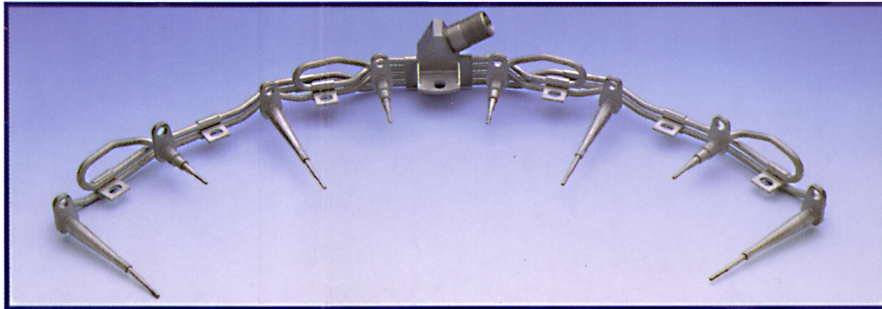
INDIVIDUAL REPLACEABLE THERMOCOUPLE / RTD SENSORS

Units available with an exposed junction for quick time response or an enclosed insulated junction for exhaust gas environments. Rugged construction assures low life cycle cost and high reliability. For use in averaging or individual multiple depth sensing. Available with standard thermocouple alloy stud and nut output terminals, hermetically sealed connector or flexible leads. Available in standard or custom thermocouple configurations and calibrations.

Thermocouple temperature ranges

Sensor: - 65° to + 2000° F

Output termination: - 65° to + 1000° F



RIGID THERMOCOUPLE RAKE

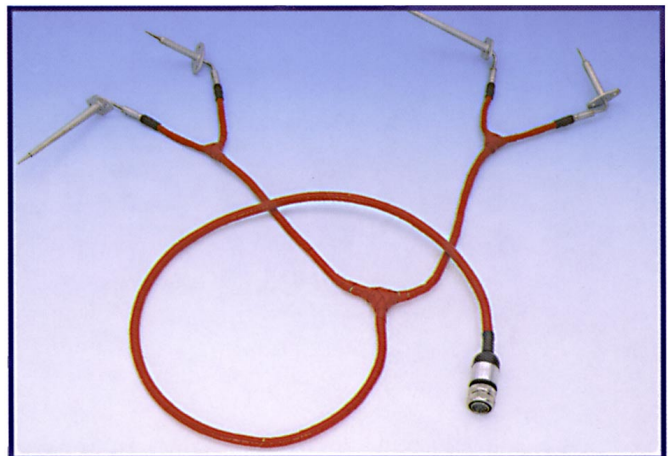
Custom designed for your application and hermetically sealed for longer life, these single or dual junction enclosed insulated thermocouples are rugged and reliable. Available in multiple immersion depths with a choice of output configurations: connector, threaded terminal or flex lead. Available in all standard thermocouple calibrations. Resistance balanced for true electrical average.

Sensor temperature range:

- 65° to + 2000° F

Cable/connector temperature range:

- 65° to + 1000° F



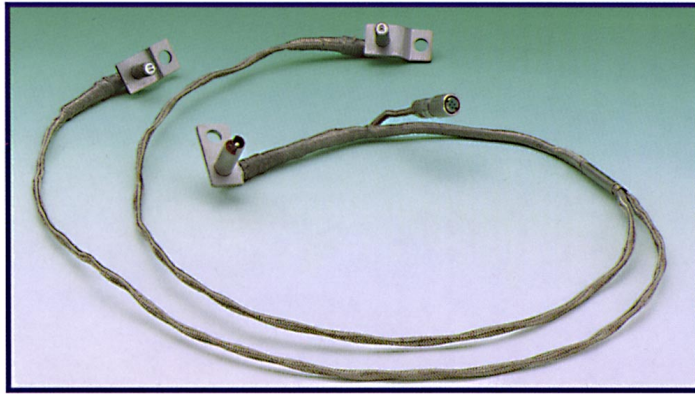
SENSOR AND LEAD ASSEMBLY

A high temperature-capable design with cast probe supports. Water proof construction with separate sensor immersion depths, Teflon® chafing guard color coded cable. Individual or averaged outputs are available.

Sensor temperature range: - 65° to + 2000° F

Cable temperature range: - 65° to + 800° F

SENSORS, THERMOCOUPLE AND CABLE ASSEMBLIES



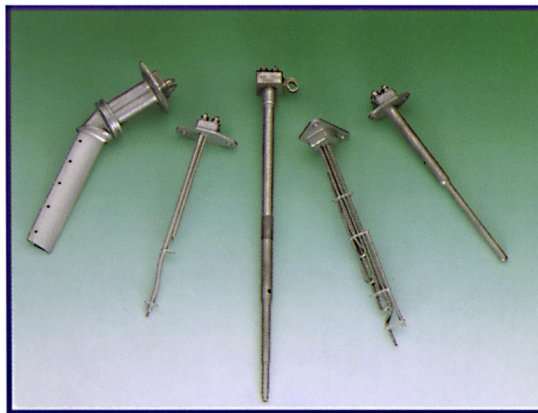
COMBINATION

THERMOCOUPLE/THERMISTOR SENSOR

This economical, expandable sensor is custom configured to measure the difference between inlet and exhaust gas temperature. The flexible construction is designed with redundant circuits for reliability under high temperature.

Sensor temperature range: - 65° to + 2000° F

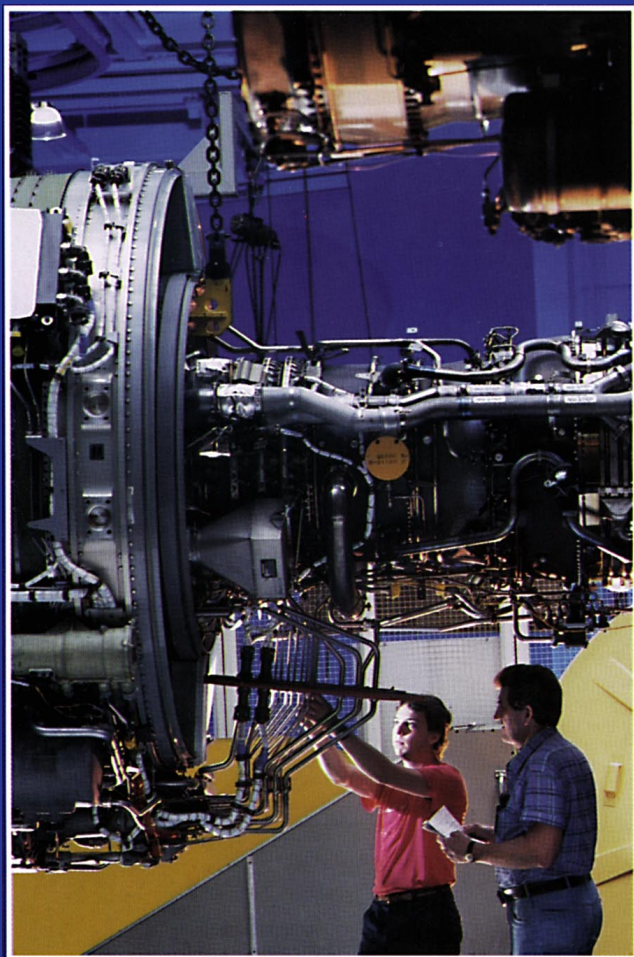
Output termination cable temperature range: - 65° to + 500° F



LARGE ENGINE SENSORS

Individually replaceable sensors with either enclosed or exposed junctions. Used for total temperature, stagnation and direct reading. Temperature and/or pressure sensing can be incorporated in the same housing, and are available as an integral element and body or as separate units. Provides individual or averaging of temperature at multiple immersion depths. Resistance balanced for true electrical average.

Sensor temperature range: - 65° to + 2000° F



Our Vision

Our vision is to be the leading supplier of high quality and technologically superior sensors, cable leads and systems to the markets we serve. We recognize that our success is built on innovative ideas from forward looking employees who are proud to be a part of HARCO, and who are committed to making it the most respected supplier in our industry.

We believe that technical superiority is achieved by anticipating our customers' needs and by developing leading edge products that exceed their expectations. As a company, our goal is to be recognized for providing unsurpassed customer support and offering products of the highest quality at the best value.

HARCO is a place where:

- People want to come to work.
- Employees are empowered to make decisions
- Employees are recognized for their contributions.
- Employees are supported in their quest for professional development.

The creation of this type of work environment enables us to attract and retain the most talented and productive individuals.

HARCO

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