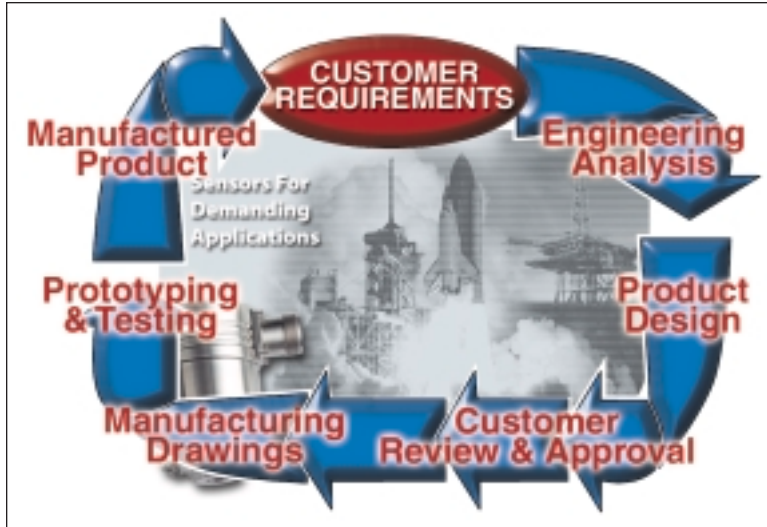




Pressure/Temperature Instrumentation  
Analog and Digital Transducers & Transmitters

## Pressure and Temperature Transducers for a Variety of Applications



From space to the ocean depths, Stellar Technology has meant *PERFORMANCE* for over a decade. We're proud to be a company where over 25% of our staff are degreed engineers... and... we're located in a modern, 27,000 sq. ft. complex that's designed to take your application concept from R&D through prototyping, and finally, the manufacturing process. Our facility and manufacturing process are ISO-9001 compliant. All calibrations performed are NIST traceable and in accordance with ANSI/NCSS Z540.

We use the reliable, extremely rugged and highly regarded, *BONDED FOIL TECHNOLOGY* in producing our products. Stellar Technology's units are of stainless steel construction providing excellent stability, shock and vibration resistance, as well as uniformity and predictability through a variety of temperature and pressure ranges. When combined with our state-of-the-art electronics, exceptional quality, and test standards, you're assured of "install and walk away" reliability with all of our products.

Smart

## Smart Technology

### Intelligent Pressure/Temperature Instrumentation



Did You Know...

Stellar Technology's Smart Series can communicate with your PDA or PC.

**For More Information on Smart Products**  
See Data Sheets *it2000, it2003, it3000, it4000*

Stellar Technology's Smart Series utilizes bonded foil strain gage technology along with smart electronics to provide a uniquely addressable, communicative pressure/temperature sensor. These units are available in three distinct categories, each unique in addressing particular demands.

**it2000...** is a low cost,  $\pm 0.05\%$  accuracy unit. By programming a profile of the error band both statically and dynamically through a temperature range, the unit virtually eliminates these errors. Analog signals in a variety of configurations are also available.

**it3000...** is strictly a digital high-speed collection unit, where the data can be held, then transferred at a later time. The unit is powered by 24Vdc or battery.

**it4000...** is a programmable unit, which can operate within multiple pressure ranges, providing both pressure and temperature data in real time along with on-board datalogging.

All of these units' ranges can be rescaled, interface with a PDA, calibrate themselves for elevated tanks, and be used in field maintenance applications for remote datalogging and connection to a PC.

# Aerospace



## Aerospace Pressure Transducers & Transmitters

Did You Know...

Stellar  
Technology  
Has Qualified  
"S" Rated  
Electronics.



*For More Information on  
Aerospace Products  
See Data Sheets GT100, GT1000,  
GT1050, GT200, ST500, ST550,  
ST1500, ST1550*

Stellar Technology is a proven source of high accuracy, extremely stable and long-life pressure transducers for Aerospace and High-Rel applications. Transducers from Stellar Technology qualify to meet the parameters of acceleration, vibration, shock and thermal conditions for rigorous environments. Our units solve the most exacting pressure sensing requirements for missile and rocket testing, jet engine testing and satellite programs and are man-rated for the Space Shuttle.

Stellar Technology's team of engineers welcomes your unique pressure applications and will design, manufacture and test pressure sensors that meet or exceed your requirements. We provide special wetted materials, replaceable pressure cavities, high overload capability, thermal isolation, as well as Smart Technology... and that's just for starters.

Contact us today to learn how you can benefit from the expertise of the Stellar Technology Team.

# Industrial



## Industrial Pressure Transducers & Transmitters



*For More Information on  
Industrial Products  
See Data Sheets DT400, DT1400,  
DT1450, GT600, GT1600, GT1650,  
GT800, GT1800, GT1850*

All of Stellar Technology's products utilize rugged, reliable Bonded Foil Strain Gage Technology. We offer economical units with  $\pm 0.25\%$  accuracy or, if your needs require, a higher accuracy of  $\pm 0.10\%$ . The breadth of products range from 10" W.C. to 100,000 psi. They are used in such applications as engine, transmission, air conditioning, pumps, and valve testing. The high overload capabilities lend themselves to the rugged demands of brake, power steering and airbag testing.

Let our Team help you choose the Stellar Technology sensor that's right for your application.

# Hazardous



## Hazardous Location Pressure Transducers and Transmitters



*For More Information on  
Hazardous Area Products  
See Data Sheets GT2250, GT2350, GT2450*

### Did You Know...

25% of Stellar  
Technology's  
Staff are  
Degreed  
Engineers.

Stellar Technology produces units specifically designed for hazardous locations. All of Stellar Technology's 4-20mA units can be upgraded to hazardous location approval.

- Our GT2250 Upgrade provides -  
CSA Certification: Exia CL. I, GROUPS A, B, C & D. T4A (US and Canada)
- Our GT2350 Upgrade provides -  
CENELEC Certifications: EExd IIC T6
- Our GT2450 Upgrade provides -  
CENELEC Certifications: EEx ia IIC T4

Intrinsically safe areas require Barriers, which Stellar Technology is pleased to offer.

# Press/Temp



## Pressure/Temperature Transducers and Transmitters



*For More Information on  
Pressure/Temperature  
& Temperature Products  
See Data Sheets PT700, PT1700,  
PT1750, T750*

There are times when space limitations do not allow room for two separate measurement sensors. That's why Stellar Technology combines pressure and temperature measurements into a single unit.

- Two versions are available:
  - Independent isolated temperature probe.
  - Temperature sensing on the pressure sensing diaphragm.

Both units provide accurate, stable and fast responses. The P/T sensor also eliminates the use of longer, heavier and expensive thermowells.

Contact Stellar Technology with your specific pressure and temperature requirements.

# Submersible

## Submersible Pressure Transducers and Transmitters



### Did You Know...

Stellar Technology's Sensors Regularly Go To Depths Over 10,000 Ft.

*For More Information on Submersible Products See Data Sheets GT2100, GT2150*

Most of Stellar Technology's products are capable of submersible operation with proper marine modification. Stellar Technology sensors are utilized in a wide variety of applications including groundwater wells, municipal water and sewage, wave height, and ocean depths up to 35,000 feet... to name but a few. For saltwater or other corrosive media, we have available: Inconel, Hastelloy, Monel and other specialty materials of construction.

Work with Stellar Technology and learn why submersibility doesn't need to be a headache or costly solution.



# Specialty

## Specialty Pressure Transducers and Transmitters



*For More Information on Specialty Products See Data Sheets ST510, ST560, ST1510, ST1560,*

Smaller size and flush mounting techniques characterize many of our Specialty Transducers and Transmitters. As with all of our products, a variety of electrical terminations as well as analog or digital electronics are available. These smaller units reduce weight, allow close coupling, fast response and are very effective in sealants or adhesives and bonding applications where normal pressure ports become clogged. Flush diaphragm sensors can be provided with cleanable/removable pressure fittings.

Our specialty mountings include solutions with side mount, remote seals, tri-clover fittings, and flange type mounting.

Let our Team develop a solution that's right for you!



# Design, Engineering and Manufacturing

Stellar Technology is into its second decade of engineering, developing, designing, and manufacturing transducer and transmitter instrumentation. Initially founded producing Aerospace products, Stellar Technology has grown to encompass Industrial and Specialty Products as well. Knowing that the demands of our customers are more than just state-of-the-art products, we developed a total spectrum of services along with inventory and rapid response delivery systems to meet the requirements of our clients.



Stellar Technology products have a high degree of modularity, allowing us to maintain an inventory ready for custom rapid assembly, testing, and shipping. This philosophy allows for quick interchangeability of sub-assemblies to suit a client's particular requirements and application. With this approach, no matter how custom and specific your project is, we can produce the exact product to meet your needs efficiently and with an exceptional standard of quality.

Many of our clients' requirements are produced from standard designs while others are unique to a particular application. At Stellar Technology, your application becomes our product. Our highly trained technical staff evaluates your application then designs and develops a product. Upon your approval, we manufacture it, meeting your most demanding criteria.

***Because Stellar Technology Controls the Total Manufacturing Process, You're Assured of Reliable Products that Adhere to the Highest Standards.***

Visit Our Website at:  
[stellartech.com](http://stellartech.com) to  
Learn About:

- **Applications**
- **Full Product Data Sheets**
- **Upcoming Trade Shows**
- **Utilizing Your Product**
  - **Electrical Connections**
  - **Mechanical Configurations**
- **Warranty**
- **Calibration Procedures**
- **Repair Procedures**
- **Trouble Shooting**
- **... and more!**

*Let Our Experience and Quality Products Be Part of Your Next Application.*