

SENSOR PRODUCTS



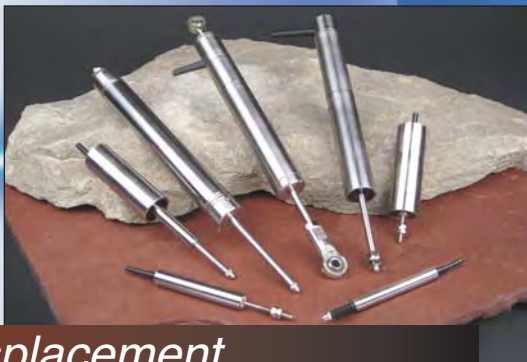
Pressure



Load / Force / Torque



Temperature



Displacement



STELLAR TECHNOLOGY
LORD Corporation

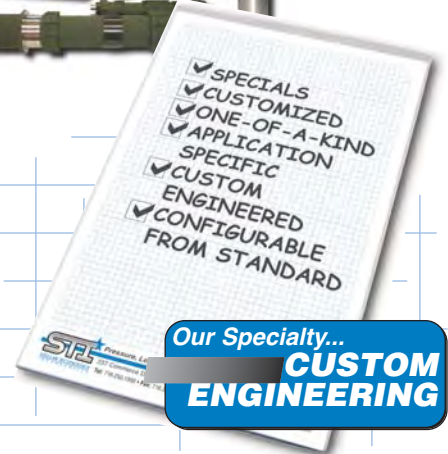
Manufacturer of
Analog and Digital Transducers
and Transmitters



WHAT We Do For Our Customers

“Custom-Engineered-Specials” can have many meanings;

- Modifying or customizing an existing standard product
- A new product configured from existing standard parts and subassemblies
- An application specific or purpose-built product requiring special features
- A one-time & one-of-a-kind design
- A first-time design requiring close interaction between STI’s design engineers and the customer’s engineers
- A customer proprietary sensor solution requiring NDA’s between Stellar Technology and our customer



The above definitions comprise what is considered “custom-engineered-special products”. Each requires varying degrees of engineering design expertise and manufacturing capability. And... each represents **WHAT** we do for our customers.

HOW We Help Our Customers Succeed

Stellar Technology’s ability to provide “Custom-Engineered-Special” products can be defined with one word: “Capabilities”. This is HOW we execute our high-mix/low volume strategy. It takes experience, know-how, commitment, and well-structured resources to provide customers with such a high percentage of engineered-to-order special products. By forging our sales, engineering, manufacturing, quality, and administrative capabilities into a flexible and responsive enterprise, we provide our customers with a unique capability for providing special sensor solutions.

Instrumentation

Series Type of Inst. Transducer Type I/O Isolation Supply Voltage		AP50XX In-Line Signal Cond. mV/V strain gage Yes*		APD4059 DIN-rail Signal Cond. strain gage, bridge type Full		AP5101 DIN-rail Signal Cond. mV/V strain gage Yes		AP5102 DIN-rail Signal Cond. LVDT Yes		AP5103 DIN-rail Signal Cond. mV/V strain gage No		AP5104 DIN-rail Signal Cond. LVDT No	Series Type of Inst. Transducer Type I/O Isolation Supply Voltage		
	See Data Sheet	9-30 or 10-32 Vac	9-36 Vdc	9-36 Vdc	11-28 Vdc	11-28 Vdc									
	*for voltage outputs, optional for digital outputs.														
	Series Type of Inst. Transducer Type I/O Isolation Supply Voltage		AP5201 In-Line Signal Cond. mV/V strain gage No		AP5202 In-Line Signal Cond. mV/V strain gage No		PD6100 Full Digital Readout All		PD6000 Dual Digital Readout All		PD603 Digital Readout All			PRO8100 Hand Held, Battery strain gage, bridge type	Series Type of Inst. Transducer Type I/O Isolation Supply Voltage
		11-28 Vdc	10-36 Vdc (single) ±5-±18 Vdc (dual)	85-265 VAC or 12/24 VDC	85-265 VAC or 12/24 VDC	12/24 VAC or 12/36 VDC	5 VDC								

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 Visit: **stellartech.com**

Series Ranges	DT140 5-500 PSID	DT14XX 1-500 PSID	DT190 50-30K PSID	DT19XX 15-30K PSID	FT110 100-5K PSIG	FT11XX 100-5K PSIG	FT260 2K-10K PSIA/PSIG	FT26XX 500-10K PSIA/PSIG	FT290 2K-10K PSIG	FT29XX 50-100K PSIG	Series Ranges
Output(s) Accuracy	3.0 mV/V 0.25%	Amplified* 0.25%	1.5 mV/V 0.25%	Amplified* 0.25%	1-2 mV/V 0.50%	Amplified* 0.50%	3.0 mV/V 0.25%	Amplified* 0.25%	3.0 mV/V 0.25%	Amplified* 0.25%	Output(s) Accuracy

*Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

Series Ranges	FT31XX 5-10K PSIG	GT100 150-20K PSIG	GT10XX 1-20K PSIG/PSIA	GT160 15-30K PSIA/PSIG	GT16XX 5-30K PSIA/PSIG	GT180 50-30K PSIA/PSIG	GT18XX 5-30K PSIA/PSIG	GT200 2-20K PSIA/PSIG	GT21XX 5-30K PSIA/S/G	GT2250 5-30K PSIA/G/D	Series Ranges
Output(s) Accuracy	Amplified* 0.25%	3.0 mV/V 0.25%	Amplified* 0.25%	3.0 mV/V 0.10%	Amplified* 0.10%	3.0 mV/V 0.25%	Amplified* 0.25%	3.0 mV/V 0.25%	Amplified* 0.25%	4-20 mA 0.25%	Output(s) Accuracy

*Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

Series Ranges	GT23XX 500-20K PSIA/PSIG	GT2450 5-30K PSIA/G/D	GT25XX 5-30K PSIA/G/D	GT270 150-30K PSIA/PSIG	GT27XX 5-30K PSIA/G/T/S	GT320 20K-100K PSIA/PSIG	GT32XX 20K-100K PSIA/PSIG	IT20XX 5-30K PSIA/PSIG	IT30XX 5-30K PSIA/G/D	ST120 15-30K PSIA/PSIG	Series Ranges
Output(s) Accuracy	Amplified* 0.10%	4-20 mA 0.25%	Amplified* 0.25%	3.0 mV/V 0.15%	Amplified* 0.15%	2.0 mV/V 0.25%	Amplified* 0.25%	Amplified* 0.05%	Digital Only* 0.1%	3.0 mV/V 0.20%	Output(s) Accuracy

*Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

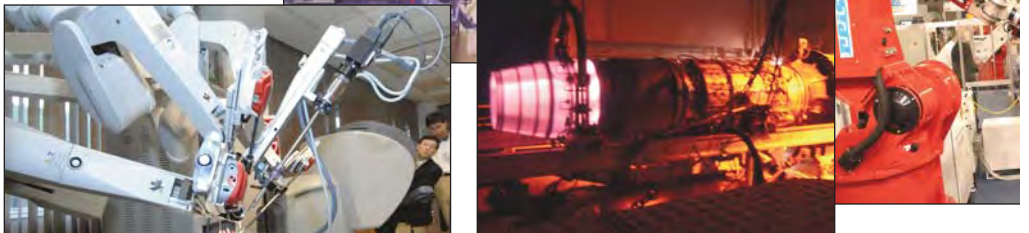
Series Ranges	ST130 15-30K PSIA	ST1300 5-10K PSIA	ST150 15-2K PSIA/PSIG	ST15XX 5-2K PSIA/PSIG	ST350 200-40K PSIA/G/S	ST35XX 50-40K PSIA/G/S	NITROGEN PUMP 200-30K PSIG	WELLBORE 5K-15K PSIG	HAMMER UNION 5K-20K PSIG	HAMMER UNION 10K-20K PSIG	Series Ranges
Output(s) Accuracy	3.0 mV/V 0.20%	5.0 Vdc 0.20%	3.0 mV/V 0.20%	Amplified* 0.20%	3.0 mV/V 0.25%	Amplified* 0.25%	4-20 mA 0.25%	4-20 mA	4-20 mA 0.20%	4-20 mA 0.20%	Output(s) Accuracy

*Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

Series Ranges	1502 HAMMER UNION 5K-20K PSIG	2202 HAMMER UNION 5K-20K PSIG						
Output(s) Accuracy	Amplified* 0.20%	Amplified* 0.20%						

*Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

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Load/Force/Torque Measurement

Series Ranges Tens. / Compr.										Series Ranges Tens. / Compr.
	BEM980 500-5K T/C	CNR960 25K-2000K T/C	CNR960XX 25K-2000K T/C	CTH932 30K-50K C	DTH920 250-30K T/C	LDP990 3K-200K T/C	MIN800 100-1K T/C	MIN802 100-1K C	MIN811 100-1K T/C	
Output(s) Accuracy	2mV/V 0.10%	2 mV/V 0.05%	4-20mA 0.05%	2mV/V* 0.25%	2mV/V 0.50%	2mV/V* 0.75%	2mV/V 0.25%	2mV/V 0.25%	2mV/V 0.15%	Output(s) Accuracy

*For most ranges, high level output is available. Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

Series Ranges Tens. / Compr.										Series Ranges Tens. / Compr.
	MIN822 100-1K C	MIN830 10-30K C	MIN835 2-10K T/C	MIN840 250-5K T/C	MIN845 2500-125K C	PNC700 100-100K T/C	PNC710 100-100K T/C	PNC720 100-120K C	PNC740 250-100K T/C	
Output(s) Accuracy	2mV/V 0.15%	2mV/V* 0.50%	2mV/V* 0.20%	2mV/V* 0.15%	2mV/V* 2.00%	3mV/V* 0.05%	3mV/V* 0.10%	3mV/V* 0.10%	2mV/V* 0.03%	Output(s) Accuracy

*For most ranges, high level output is available. Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

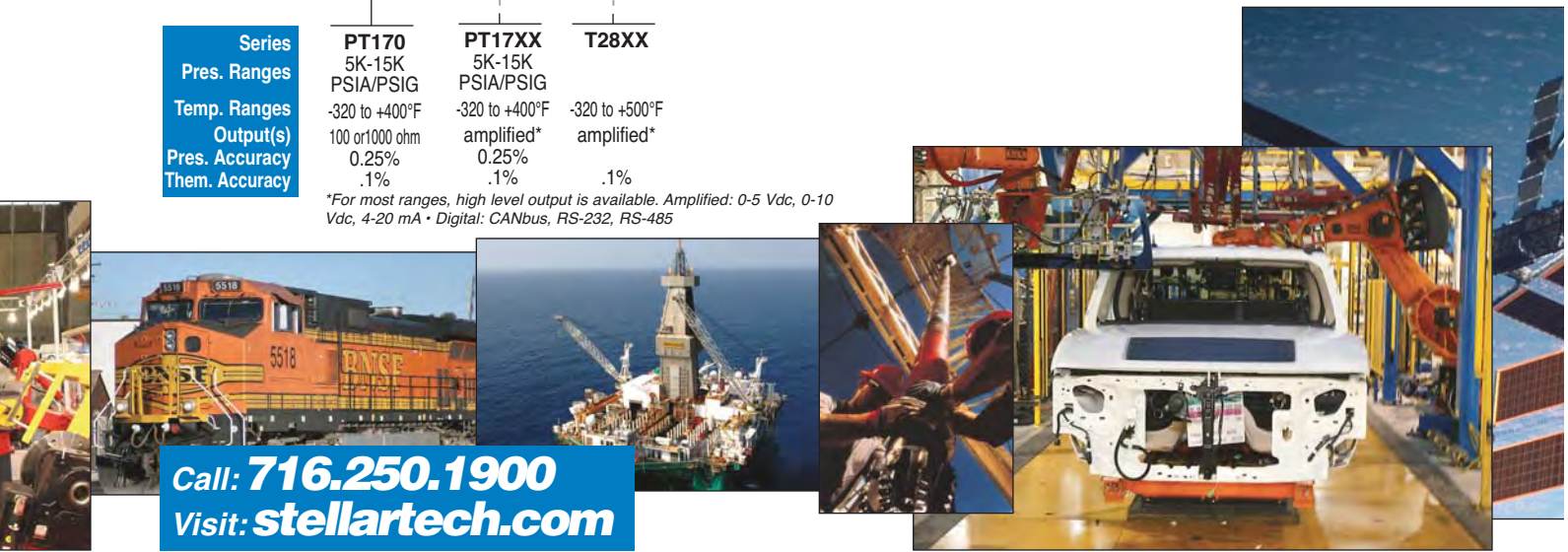
Series Ranges Tens. / Compr.										Series Ranges Tens. / Compr.
	PNC760 250-100K T/C	PNC770/2 25-300 T/C	Coiled Tubing 20K-120K T/C	RDE900 5K-120K T	RDE905 2.5K-50K T/C	Shackle 5K-120K T	RDE915 5K-25K T/C	VLC856 10-1K C	VLU850 10-1K T/C	
Output(s) Accuracy	2mV/V* 0.03%	2mV/V 0.05%	4-20 mA 0.10%	2mV/V* 0.20%	1mV/V* 0.25%	2mV/V* 0.20%	2mV/V 0.25%	2mV/V 0.50%	2mV/V 0.50%	Output(s) Accuracy

*For most ranges, high level output is available. Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485

Pressure/Temperature Measurement

Series Pres. Ranges			
	PT170 5K-15K PSIA/PSIG	PT17XX 5K-15K PSIA/PSIG	T28XX
Temp. Ranges	-320 to +400°F	-320 to +400°F	-320 to +500°F
Output(s)	100 or 1000 ohm	amplified*	amplified*
Pres. Accuracy	0.25%	0.25%	
Them. Accuracy	.1%	.1%	.1%

*For most ranges, high level output is available. Amplified: 0-5 Vdc, 0-10 Vdc, 4-20 mA • Digital: CANbus, RS-232, RS-485



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Displacement Measurement (LVDTs)

Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy



LLC60X
±0.5 to ±18.5
AC/AC
Captive Guide
0.5%



LLC61X
±0.5 to ±18.5
DC/DC
Captive Guide
0.5%



LLS60X
±0.5 to ±3.0
AC/AC
Spring Return
0.5%



LLS61X
±0.5 to ±3.0
DC/DC
Spring Return
0.5%



LLU60X
±0.5 to ±8.0
AC/AC
Free Unguided
0.5%

Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy

Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy



LLU61X
±0.5 to ±8.0
DC/DC
Free Unguided
0.5%



LMS60X
±0.01 to ±0.5
AC/AC
Spring Return
0.5%



LMU60X
±0.025 to ±0.5
AC/AC
Free Unguided
0.5%



LPA60X
±0.04 to ±0.2
AC/AC
Air Push
0.25%



LPS60X
±0.02 to ±0.2
AC/AC
Spring Return
0.25%

Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy

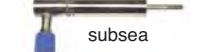
Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy



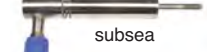
LSS61X
±0.1 to ±0.4
DC/DC
Spring Return
0.5%



LSU61X
±0.1 to ±0.4
DC/DC
Free Unguided
0.5%



LWU60X
±0.5 to ±4.0
AC/AC
Free Unguided
0.5%



LWU61X
±0.5 to ±4.0
DC/DC
Free Unguided
0.5%



LYC60X
±0.5 to ±18.5
AC/AC
Captive Guide
0.5%

Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy

Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy



LYC61X
±0.5 to ±18.5
DC/DC
Captive Guide
0.5%



LYS60X
±0.5 to ±3.0
AC/AC
Spring Return
0.5%



LYS61X
±0.1 to ±3.0
DC/DC
Spring Return
0.5%



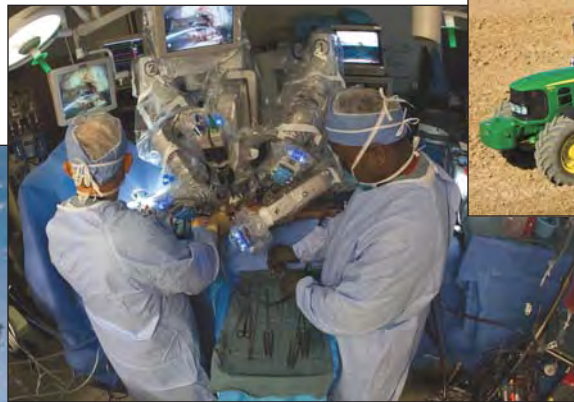
LZS60X
±0.04 to ±0.5
AC/AC
Spring Return
0.5%



LZU60X
±0.04 to ±0.5
AC/AC
Free Unguided
0.5%

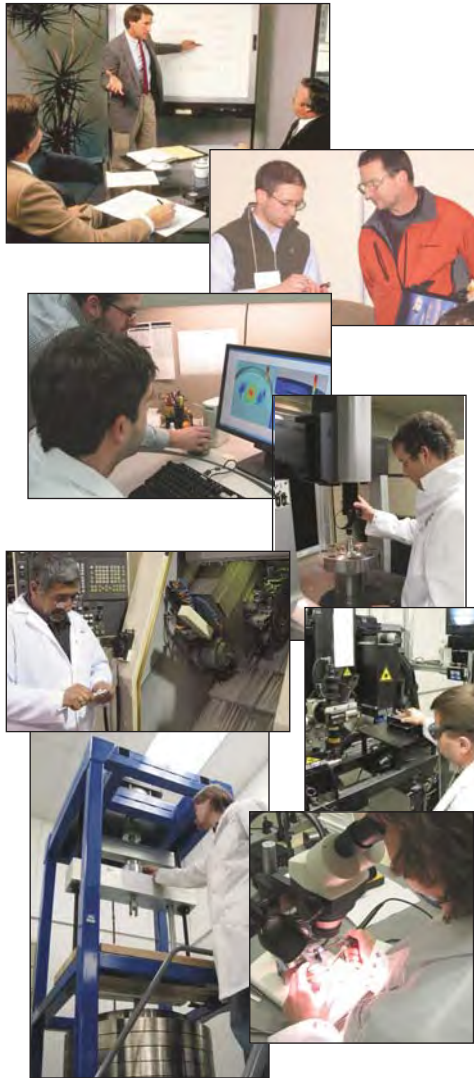
Series
Stroke Range
Pwr/Output Type
Armature Type
Accuracy

Note: For most DC/DC LVDT's, the following outputs are available: 0-10 Vdc, ±5 Vdc, ±2.2 Vdc (isolated output), or 4-20 mA



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Stellar Technology designs and manufactures a comprehensive offering of pressure transducers/transmitters, load cells, force sensors, torque transducers, temperature transmitters, and displacement sensors used in test and measurement applications across a wide range of industry sectors including aerospace, oil and gas, marine/oceanographic, automotive, medical, industrial automation, geophysical, power generation and many more.



Why Stellar Technology? *What causes customers to choose Stellar Technology's sensors for their test and measurement application solutions?*

One word: Capabilities.

Stellar Technology combines sales capabilities, engineering capabilities, manufacturing capabilities, and service/support capabilities into one focused business objective:

Provide the customer with the optimum sensor solution.

Sales Capabilities:

- Experienced technical sales professional located in your area
- Direct link to STI design engineers
- Knowledgeable inside sales engineers
- Complete pre-sales application review process
- Facilitate technical Lunch & Learns at customer's site

Engineering Capabilities:

- Design engineers with years of practical sensor application experience
- Specialists in mechanical, electronic, and software design
- Innovative design and simulation tools
- ISO9001 registered documentation and control
- Work directly with customer's engineers
- Creative solution providers

Manufacturing Capabilities:

- Complete vertical integration (raw material through final calibration)
- 18 CNC machines (up to 8-axis)
- Wire and probe EDM machining
- Laser and TIG welding
- Ultrasonic cleaning
- Micro assembly
- Automated pressure compensation and calibration
- 5 load cell calibration systems (to 600,000 lbf)
- 1,000,000 inch-lbf reaction torque calibrator
- High-reliability/traceability assembly and test area
- Comprehensive inventory of raw materials
- Finished goods inventory programs (standard and customer-specific)

Service/Support Capabilities:

- Complete repair and recalibration (including non-STI manufacturers)
- Rapid-response on-site technical field support
- Ready access to regional sales offices
- Order status and expediting
- Direct access to STI's design engineers
- 24 hour web access to technical manuals

Scan To Learn More!



Your Application-Solution SourceSM

ISO 9001

Due to the nature of technology, changes are inevitable. For latest technical specifications, see our website.

Find More Information at:
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