

SENSOR PRODUCTS



Pressure



Load / Force / Torque



Temperature



Displacement

stellartech.com



Pressure, Load/Force/Torque, Displacement, and Temperature Sensors

Pressure Measurement



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 PSIA/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/G/D	GT2250 5-30K PSIA/G/D	Series Ranges
Output(s) Accuracy	Amplified* 0.25%	3.0 mV/V 0.25%	Amplified* 0.25%	2.0 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 0.20%	Amplified* 0.20%	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

Call: 716.250.1900
Visit: stellartech.com

Load/Force/Torque Measurement



Series	BEM980	CNR960	CNR960XX	CTH932	DTH920	LDP990	MIN800	MIN802	MIN811	Series
Ranges	500-5K	25K-2000K	25K-2000K	30K-50K	250-30K	3K-200K	100-1K	100-1K	100-1K	Ranges
Tens. / Compr.	T/C	T/C	T/C	C	T/C	T/C	T/C	C	T/C	Tens. / Compr.
Output(s)	2mV/V	2 mV/V	4-20mA	2mV/V*	2mV/V	2mV/V*	2mV/V	2mV/V	2mV/V	Output(s)
Accuracy	0.10%	0.05%	0.05%	0.25%	0.50%	0.75%	0.25%	0.25%	0.15%	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	MIN822	MIN830	MIN835	MIN840	MIN845	PNC700	PNC710	PNC720	PNC740	Series
Ranges	100-1K	10-30K	2-10K	250-5K	2500-125K	100-100K	100-100K	100-120K	250-100K	Ranges
Tens. / Compr.	C	C	T/C	T/C	C	T/C	T/C	C	T/C	Tens. / Compr.
Output(s)	2mV/V	2mV/V*	2mV/V*	2mV/V*	2mV/V*	3mV/V*	3mV/V*	3mV/V*	2mV/V*	Output(s)
Accuracy	0.15%	0.50%	0.20%	0.15%	2.00%	0.05%	0.10%	0.10%	0.03%	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	PNC760	PNC770/2	Coiled Tubing	RDE900	RDE905	Shackle	RDE915	VLC856	VLU850	Series
Ranges	250-100K	25-300	20K-120K	5K-120K	2.5K-50K	5K-120K	5K-25K	10-1K	10-1K	Ranges
Tens. / Compr.	T/C	T/C	T/C	T	T/C	T	T/C	C	T/C	Tens. / Compr.
Output(s)	2mV/V*	2mV/V	4-20 mA	2mV/V*	1mV/V*	2mV/V*	2mV/V	2mV/V	2mV/V	Output(s)
Accuracy	0.03%	0.05%	0.10%	0.20%	0.25%	0.20%	0.25%	0.50%	0.50%	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	PT170	PT17XX	T280	T28XX	
Pres. Ranges	5K-15K	5K-15K			
	PSIA/PSIG	PSIA/PSIG			
Temp. Ranges	-320 to +400°F	-320 to +400°F	-320 to +500°F	-320 to +500°F	
Output(s)	100 or 1000 ohm	amplified*	100 or 1000 ohm	amplified*	
Pres. Accuracy	0.25%	0.25%			
Them. Accuracy	RTD	1.0% RTD	RTD	1.0% RTD	

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



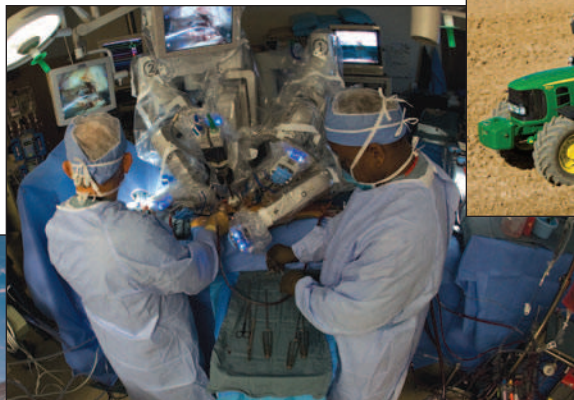
Call: 716.250.1900
Visit: stellartech.com

Displacement Measurement (LVDTs)



Series Stroke Range Pwr/Output Type Armature Type Accuracy						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			 subsea	 subsea	 submersible	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	 submersible	 submersible	 submersible	 submersible	 submersible	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%	

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



Call: 716.250.1900
Visit: stellartech.com

Custom Engineered Solutions



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 Stellar Technology'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.

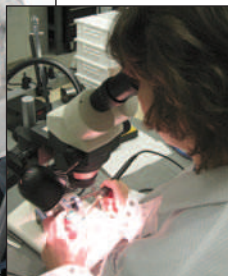
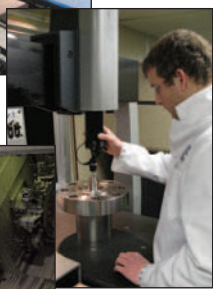
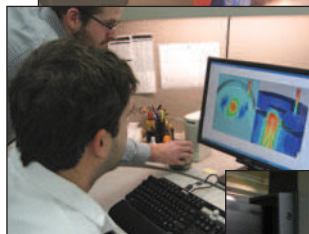
Instrumentation

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

Call: 716.250.1900
Visit: stellartech.com

Capabilities

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 specialists to choose Stellar Technology sensors for their 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 Stellar Technology's 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 other manufacturers)
- Rapid-response on-site technical field support
- Ready access to regional sales offices
- Order status and expediting
- Direct access to Stellar Technology's design engineers
- 24 hour web access to technical manuals

Your Application-Solution SourceSM



ISO 9001/AS9100

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

237 Commerce Drive • Amherst, NY 14228 • USA
Tel: 716.250.1900 • Fax: 716.250.1909
Web: stellartech.com • Email: info@stellartech.com

Copyright © 2015 STI • All Rights Reserved
P/N: 240776F DCN 9382