



# Linear and Angular Displacement and Linear Velocity Transducers



## Get in Touch

During business hours, there will always be a Trans-Tek employee eager to speak with you. Please contact us with any questions you may have by phone or email.

Hours: Monday–Friday: 8:00 am–4:30 pm

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## About Us

For over half a century, Trans-Tek, Inc. has been providing the very best Linear and Angular Displacement and Linear Velocity Transducers in the business. Our main focus is Linear Sensors, which are based on LVDT (Linear Variable Differential Transformer) technology.

When it comes to solving your measurement problems, our engineers, with their extensive experience, will find the right position or velocity sensor to meet your most demanding requirements. Our complete production facility is geared to meet your delivery needs – whether it's for a standard or custom sensor solution. Our LVDT Research & Development (R&D) program is continuously expanding our product line to address countless industrial applications.



Trans-Tek employees – and our worldwide network of technical representatives – are committed to earning your trust and ensuring your total satisfaction. Our enduring goal is to provide competitive transducer products that represent quality and reliability – and that measure up to your toughest sensing applications and delivery requirements.

Trans-Tek is ISO9000 certified for quality management and AS9100 quality certified for the aerospace industry.

# Can You Sense the Difference?

## Reverse Engineering

We'll work with you to reverse engineer an original design, or evaluate your application and make a recommendation for an even better sensor with improved performance.

We design and manufacture a range of inductive sensors, whether linear, velocity or rotary. Our engineers can determine your sensor's current electrical performance, frequency response, non-linearity, stroke and other physical characteristics. Let our experts review your requirements.

## Custom Design

Are you having trouble finding the product you need? Let us help! We can take your most strict requirements and custom design and manufacture a product that will work for you. From big to small we can design them all!

## Shipping

We offer next day and, in some cases, same day shipping for catalogue products.

## Products

Each and every product is manufactured in our production facility in Ellington, CT. All products are quality tested during the manufacturing process and again at final inspection.

| PRODUCT | DISPLACEMENT RANGE | OUTPUTS AVAILABLE | KEY OPTIONS AVAILABLE |
|---------|--------------------|-------------------|-----------------------|
|---------|--------------------|-------------------|-----------------------|

### AC-AC LVDTs

|  |               |     |                                  |
|--|---------------|-----|----------------------------------|
| <b>Series 210-220 • Long Stroke AC LVDTs</b> | ± 0.25" – 60" | VAC | High Temperature / High Pressure |
| <b>Series 230 • 0.375" O.D. AC LVDTs</b>     | ± 0.005" – 2" | VAC | High Temperature / High Pressure |
| <b>Series 280 • Economy AC LVDTs</b>         | ± 0.005" – 2" | VAC | Integral Connector               |
| <b>Series 290 • General Purpose AC LVDTs</b> | ± 0.05" – 6"  | VAC | Splashproof, Integral Connector  |
| <b>Series 430 • 0.3" O.D. AC LVDTs</b>       | ± 0.010" – 1" | VAC | High Temperature / High Pressure |

### DC-DC LVDTs

|  |                 |     |                                   |
|--|-----------------|-----|-----------------------------------|
| <b>Series 200 • Short Stroke DC LVDTs</b>    | ± 0.05" – 0.20" | VDC | High Pressure, Integral Connector |
| <b>Series 240 • General Purpose DC LVDTs</b> | ± 0.05" – ± 4"  | VDC | Splashproof, High Pressure        |

### GAGING LVDTs

|   |                  |     |                               |
|---|------------------|-----|-------------------------------|
| <b>Series 310-320 • Long Stroke AC Gaging LVDTs</b> | ± 0.25" – ± 10"  | VAC | Reverse Spring                |
| <b>Series 330 • 3/8 Inch AC Gaging LVDTs</b>        | ± 0.005" – ± 10" | VAC | High Temperature              |
| <b>Series 350 • General Purpose DC Gaging LVDTs</b> | N/A              | VDC | High Pressure / Air Actuation |

### ANGULAR DISPLACEMENT

|   |                |                     |                                       |
|---|----------------|---------------------|---------------------------------------|
| <b>Series 600 • High Accuracy ADTs</b>                  | ± 30° – ± 60°  | VDC                 | Vibration Protection / Side Connector |
| <b>Series 605 • High Accuracy ADTs</b>                  | ± 12° – ± 300° | VDC / mA            | High Temperature / Splashproof        |
| <b>Series 607 • 360° Precision Feedback and Display</b> | 360°           | Display / VDC / USB |                                       |

### LINEAR VELOCITY

|                                     |            |     |                                  |
|-------------------------------------|------------|-----|----------------------------------|
| <b>Series 100 • Linear Velocity</b> | 0.5" – 36" | VDC | High Temperature / High Pressure |
|-------------------------------------|------------|-----|----------------------------------|

### OSCILLATOR/DEMODULATORS

|   |     |          |                             |
|---|-----|----------|-----------------------------|
| <b>Series 1000 • Oscillator/Demodulator</b>     | N/A | VDC      | Custom offset / Sensitivity |
| <b>Series ED • Oscillator/Demodulator</b>       | N/A | VDC / mA | Custom offset / Sensitivity |
| <b>Series P010 • OEM Oscillator/Demodulator</b> | N/A | VDC      | Custom offset / Sensitivity |

### DC POWER SUPPLIES

|   |     |     |  |
|---|-----|-----|--|
| <b>Series D100 • Dual DC Power Supply</b> | N/A | VDC |  |
|---|-----|-----|--|

### LVDT 1003-SERIES METER

|  |     |                                |  |
|--|-----|--------------------------------|--|
| <b>Model 1003 • Transducer Indicator</b> | N/A | Display / VDC / RS232 / RELAYS |  |
|--|-----|--------------------------------|--|



Series 210-220



Series 240



Series 330



Series 607



Series 100



Series 1000



Series D100



Model 1003