

# UVTT Universal Torque Transducers



The TSC range of **Precision Strain Gauge Torque Transducers** employ high performance stainless steels to produce a very accurate Transducer with high overload capacity.

Available as milli-Volt/Volt output or with integral processing electronics providing a calibrated output over a wide range of supply voltages.

The processing electronics compensate for clockwise and anticlockwise transducer signal output errors caused by material performance.

Options for Inline or Base Mounting for flexibility of use for inline or reaction torque measurement featuring a wide range of torque capacities in imperial, metric or si units. The TSC range of **Precision Strain Gauge Torque Transducers** are supplied with 2 metres of cable and square drives, as standard. Longer cables and other coupling configurations, such as key way or splined, are available to order.

Automatic ranging and decimal point selection is achieved when used in conjunction with the TSC range of display equipment.

## Applications

Research and Development; Process Control; Engineering and Technological Development, Quality Control and Calibration.

## Features

- \* Compact Rugged Design
- \* Choice of Mounting - Base or In-Line
- \* On board Processing
- \* High Accuracy

## Specifications

Accuracy:	1% of reading between 20 and 100% of FSD
Resolution:	±0.1% of FSD
Linearity:	±0.1% of FSD up to 120%
Hysteresis:	±0.1% of FSD
Repeatability:	±0.2% of FSD
Frequency Response:	Better than 1m S
Temperature Coefficient:	0.1% per degree C
Overload Capacity:	In excess of 250% of rated capacity
Operating Temp. Range:	-10°C to 50°C
Input Power Requirements:	±12V DC @ 50mA
Signal Output Bipolar:	±1V DC for rated Capacity

Note: larger sizes can be supplied on request.

We reserve the right to change specifications as deemed necessary with continuous improvement

**NAMAS Calibration Traceability on all Products and Services**



## Timesync Controls Ltd

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