

E201 Optical Torque Transducer Display

The E201 provides an interface to the E-series optical torque transducers (see data sheet TSE2038R). The full-scale range of the transducer connected is automatically detected and the display changes accordingly, maintaining system calibration. A built-in test facility confirms overall system integrity. This readout is also backward compatible with earlier 'DORT' series transducers (requires a new lead and recalibration).



Specifications

Electrical

Accuracy of display	0.1% of FSD
Resolution	0.05%
Display	LCD max 1999 with x10 indicator
Analog signal output	$\pm 1V$ (optional $\pm 5V$) for FSD Output should not be loaded less than 500Ω
Frequency response	50Khz
Power supply	11-15Vdc, 1A (optional 22-32Vdc), 2.5mm jack 80-260Vac, 40-400Hz, 10W, IEC connector (option)

Mechanical

Overall size (mm)	220w x 290d x 100h, aluminium enclosure Fitted with tilt feet
Weight	2.5kg (5lb 10oz) nominal

Environmental

Operating range	0-50°C (32-122°F)
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Available Options

- 1) **Power Supplies**
 - a. Power input 24v DC

- 2) **Torque Analog Outputs**

Analog Output $\pm 1v$ FSD – Standard

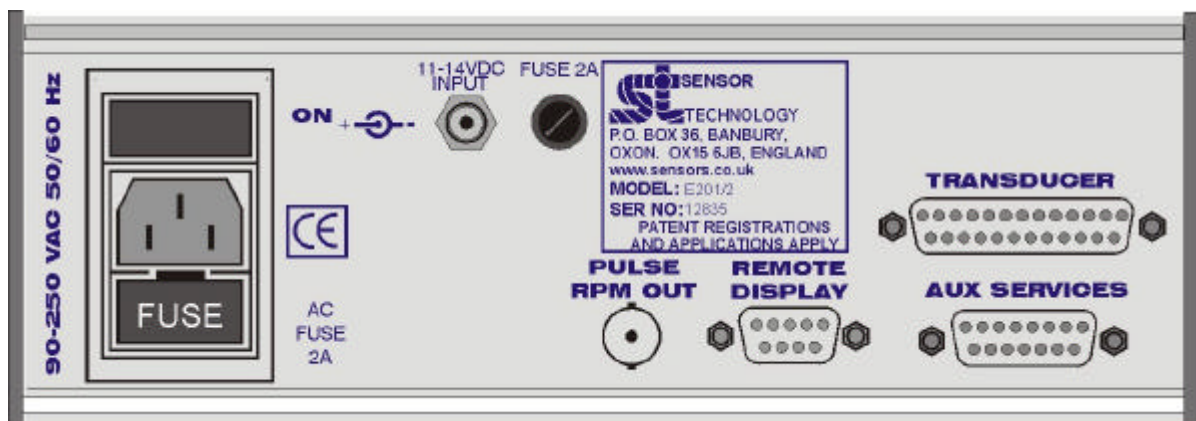
 - a. Analog Output $\pm 5v$ FSD
 - b. Analog Output $\pm 10v$ FSD
 - c. Analog Output + 0.5v(fsd ccw)
+ 2.5v(zero) + 4.5v(fsd cw)
 - d. 4-20 mA

- 3) **Speed Analog Outputs**

Specify RPM FSD Required

 - a. RPM Analog +1v for FSD
 - b. RPM Analog +5v for FSD
 - c. RPM Analog +10v for FSD
 - d. RPM Analog 4-20 mA for FSD

For technical information on options see
TSE2278R



CE Product complies with EMC Regulation BS EN 55011

Warranty/Support policy

All Sensor Technology products are warranted against manufacturing defects/failure for 2 years from date of purchase, subject to fair wear and tear. This warranty is extended indefinitely if the equipment is returned to Sensor Technology or its agents for annual re-calibration, when any updates if required will be carried out free of charge.

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