

Trans-tek Series 240 Displacement Transducer Sensor Application Note #3

Overview

This Sensor Application Note provides additional information to wire and configure the Trans-tek Series 240 Displacement Transducers. More information on these sensors may be found in the Trans-tek Series 240 Instruction Manual.

Wiring

Description	Color	Non-MultiSensor Mux	MultiSensor Mux
Output+	Green	1H	1H
Output-	Blue	1L	1L
Input+	Red	2H	2H
Input-	Black	2L	2L
Shield	Bare	S	S

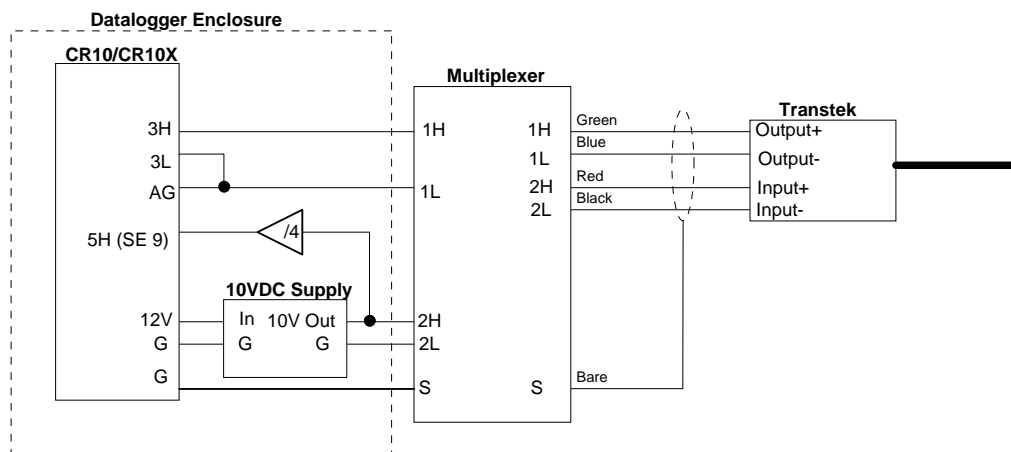
Configuration

Type	Make	Model	Instruction File	Description	Output Units
LVDT	Transtek	Series 240	Trans240.ins	Transtek Series 240 Transducer	Volts/Volt
LVDT	Transtek	Series 241	Trans241.ins	Transtek Series 241 Transducer	Volts/Volt
LVDT	Transtek	Series 242	Trans242.ins	Transtek Series 242 Transducer	Volts/Volt
LVDT	Transtek	Series 243	Trans243.ins	Transtek Series 243 Transducer	Volts/Volt
LVDT	Transtek	Series 244	Trans244.ins	Transtek Series 244 Transducer	Volts/Volt
LVDT	Transtek	Series 245	Trans245.ins	Transtek Series 245 Transducer	Volts/Volt
LVDT	Transtek	Series 246	Trans246.ins	Transtek Series 246 Transducer	Volts/Volt

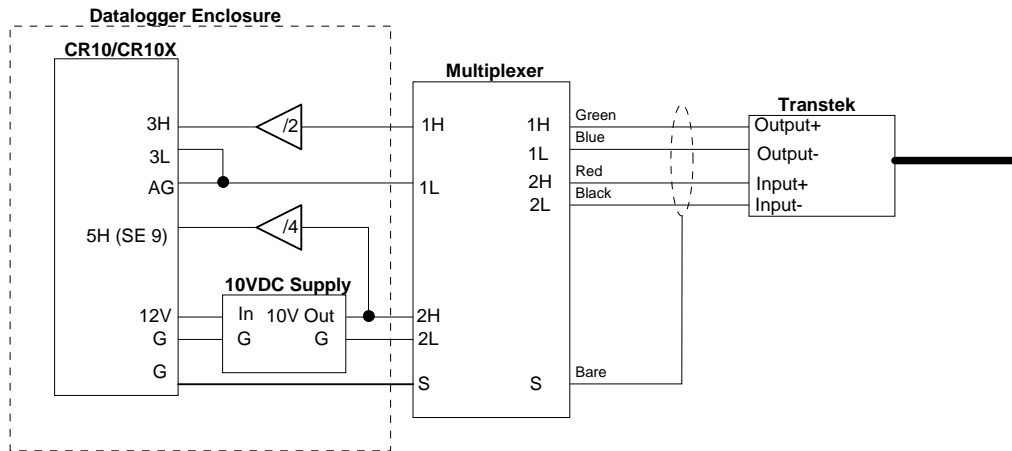
This sensor configuration is included in shipments of MultiLogger beginning with v2.0.10. Contact Canary Systems if you require assistance configuring them with older versions of the software.

The volts/volt output is converted to displacement by inverting the supplied Volts/Inches/Volt calibration factor supplied. For example, if the calibration factor is **0.8354 Volts/inch/Volt** then enter **1.197** as the Gage Factor for the channel. Note: These configurations use a nominal 10VDC supply, as such the displacement transducers should be re-calibrated with 10VDC to correct for the calibration factor error.

Non-MultiSensor Multiplexer Wiring – Series 240, 242



Non-MultiSensor Multiplexer Wiring – Series 241, 243, 246



Non-MultiSensor Multiplexer Wiring – Series 244, 245

