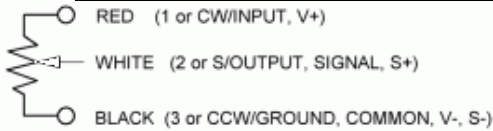


INPUTS			Unit of Measure
transducer displacement: actual	actual travel		in, mm, °, etc.
transducer range: maximum	design travel		in, mm, °, etc.
power supply voltage (input voltage)	voltage applied across RED and BLACK		VDC
potentiometer power rating	per manufacturer's specification		W
potentiometer resistance	resistance between RED and BLACK		ohms



OUTPUTS			Unit of Measure
voltage output	voltage across WHITE and BLACK	5.7143	VDC
current (across potentiometer)	current across WHITE and BLACK	2.4000	mA
current (max recommended)		20.0000	mA
power supply voltage (max recommended)		100.0000	VDC

To learn more about potentiometers used as voltage dividers, review this ["Potentiometer as a Voltage Divider"](#) article.

Other calculators:

- [Thermal Effect](#)
- [Sinusoidal Motion](#)
- [Displacement Cable Sag \(Catenary Curve\)](#)
- [Displacement Cable Stretch](#)
- [Position Transducer Linearity \(Calibration\)](#)
- [Sensor Total Cost of Ownership](#)
- [Cable \(String\) Fundamental Frequency](#)
- [Voltage Conditioner Zero-Span Calculator](#)

No Warranties: This calculator and information are provided "as is" without any warranty, condition, or representation of any kind, either express or implied, including but not limited to, any warranty respecting non-infringement, and the implied warranties of conditions of merchantability and fitness for a particular purpose. In no event shall SpaceAge Control, Inc. be liable for any direct, indirect, special, incidental, consequential or other damages howsoever caused whether arising in contract, tort, or otherwise, arising out of or in connection with the use or performance of the information contained on this Web page.