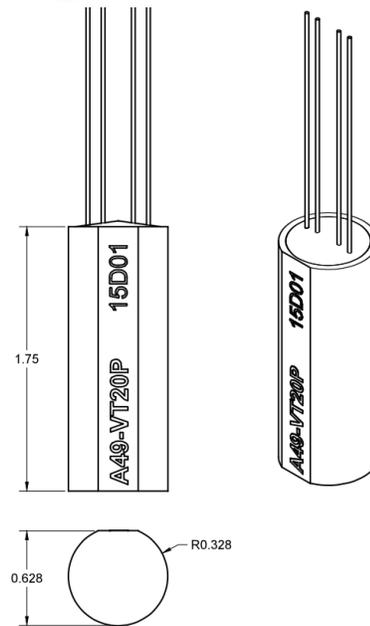
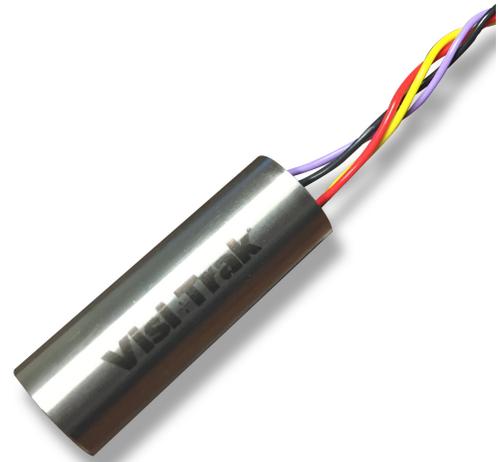


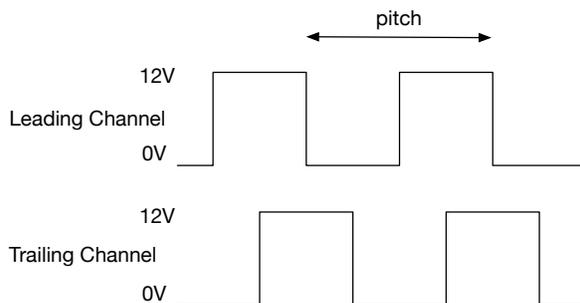
## A49-VT RUGGED, EXTENDED-GAP TRANSDUCERS WITH AUTO CALIBRATION

Visi-Trak Worldwide delivers an industry-leading family of linear encoder transducers designed for reliable contactless monitoring in harsh environments. These transducers provide calibration-free installation while superior gapping allows glitch-free operation on imperfect or worn measuring targets. Whether a new installation or a retrofit, the A49-VT line is engineered to perform and designed to last.

The transducer is encased in a non-ferrous, stainless-steel housing and utilizes a magnetic field to detect movement of a threaded steel rod made smooth by chrome plating. These movements, indicating target speed and direction, are quadrature encoded and transferred over a two-wire interface where a decoder computes instantaneous speed and direction using the known target thread pitch. This information provides valuable feedback for a variety of monitor and adaptive control applications. Visi-Trak offers four transducer models designed to work with commonly available pitch widths. For best performance, use Visi-Trak measurement rods and mounting hardware.



Model	Pitch	Resolution	Max Gapping
<b>A49-VT20P</b>	0.05"	0.0125"	0.020" (0.51mm)
<b>A49-VT10P</b>	0.1"	0.025"	0.040" (1.02mm)
<b>A49-VT1MM</b>	1mm	0.25mm	0.015" (0.38mm)
<b>A49-VT2MM</b>	2mm	0.5mm	0.035" (0.89mm)



Sensor Specifications	
<b>Supply Voltage</b>	12V ± 10%
<b>Supply Current</b>	28mA Typ. (50mA Max)
<b>Linear Speed</b>	500 IPS Max
<b>Operating Temp.</b>	-40°C to 85°C
<b>Output Waveform</b>	50% Duty Quadrature
<b>Red Wire</b>	Supply Voltage
<b>Black Wire</b>	Ground
<b>Yellow Wire</b>	Leading Channel
<b>Purple Wire</b>	Trailing Channel