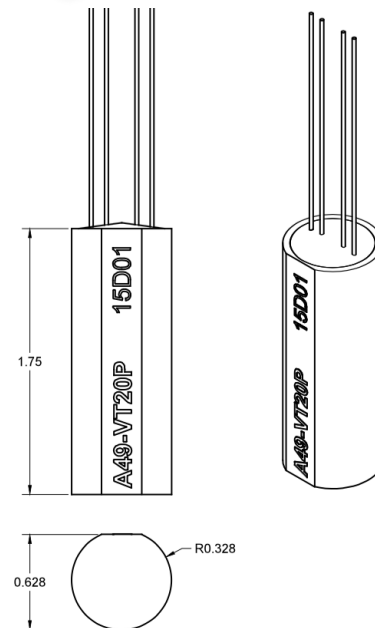
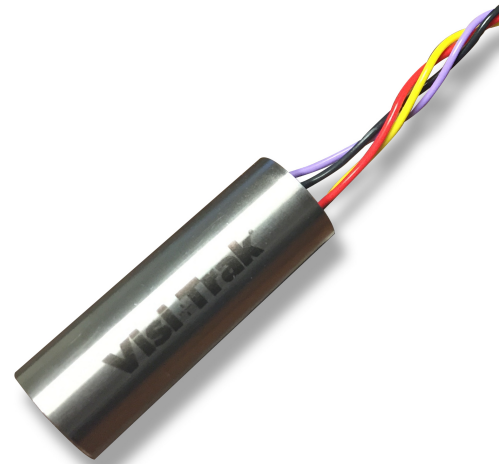
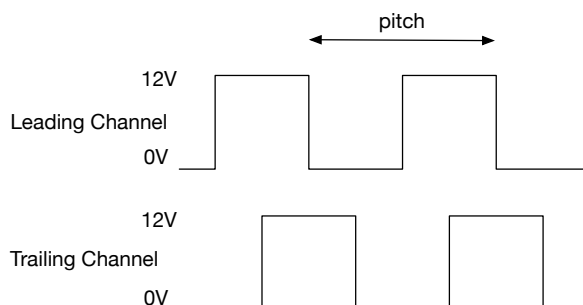


A49-VT RUGGED, EXTENDED-GAP TRANSDUCERS WITH AUTO CALIBRATION

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
A49-VT20P	0.05"	0.0125"	0.020" (0.51mm)
A49-VT10P	0.1"	0.025"	0.040" (1.02mm)
A49-VT1MM	1mm	0.25mm	0.015" (0.38mm)
A49-VT2MM	2mm	0.5mm	0.035" (0.89mm)



Sensor Specifications

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