

Channels	1
Input type	1 x Magnetostrictive

Displacement

Resolution: 0.7 μ m (28x10⁻⁶inch)

Multi-hit: 1-4 independent position calculations (up to 4 floating magnets read concurrently)

Transducer: Leading/trailing-edge pulse (RS422 differential interface)

Sampling rate

<2m stroke: 1kHz

>2m stroke: 500Hz

Time resolution 250ps TYPICAL

Units inches/mm

Gradient Resolution correction for independent scale factors

Velocity 1-4 independent velocity calculations

Digital outputs 2 x latched digital outputs (NPN)

- ACAM time-to-digital converter
 - Provides sub-micro meter resolution over the entire length of the positioning equipment
 - Interfaces with industry standard micro-pulse magnetostrictive transducers
 - Delivers up to 4 independent linear displacements and 4 independent rates of change
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