

ECS-2 Eddy Current Scanner, Selectable Position

The ECS-2 Scanner is a high resolution bolt hole scanner and probe positioning device. Its design allows for the automated testing of complex aircraft engine parts as well as other industrial components that are capable of being tested with eddy current.



Scanner Specifications:

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|--------------------------|--|
| Probe connections | 6 Pin Lemo |
| Coil Types | Absolute, Differential, Reflection, Differential Reflection and ECP |
| Frequency Range | Signal Path Range from DC to 15MHz |
| Gain | 15 dB |
| Signal Coupling | Precious Metal Slip Ring |
| Speed Range | 1 RPM to 1500 RPM |
| Speed Control | Done by External Motion Controller |
| Motor | 30 Watt Average 132 Watt Peak DC Servo |
| Encoder | 1000 Line +/- 1 Volt, 2 phase Quadrature sine wave With a once per revolution TTL pulse |

Mechanical Specifications:

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|-------------------------|---|
| Connections | 22 Pin Burndy |
| Orientation | No Physical Limitations |
| Weight | 7 lbs |
| Dimensions | Overall length is 15" including probe collet, 3.25" dia. |
| Total Run Out | +or- .002". |
| Mounting | Mounting foot with 4 holes |
| Temperature | Operating temperature: +32F to +158F (-0C to +70C) Storage temperature: -13F to +194F (-25C to +90C) |
| Special Features | Probe Pre-Amp, Rotational Lock for ease of collet movement when installing and removing probes. |

Probe Specifications:

UniWest GEC style or special with 6 pin Lemo. RD-2000 non-metal expandable. Specify frequency, coil type and diameter range. Specialty designed probes for special configurations.

Instrument Specifications:

US-450 E-Lab, US-454EddyView, US-454AEddyView, US-500

Specifications subject to change without notice. 3-28-11