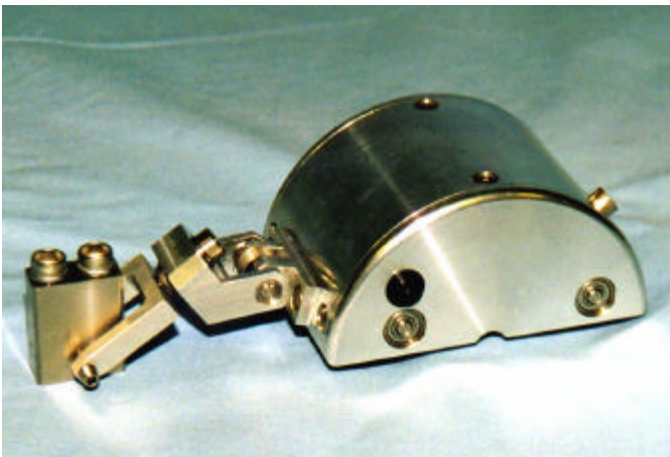


Model 4040 Field Mouse Manual Scanner

Manual Scanning

Imaging system operators now have the capability to perform an inspection of complex geometry's with a minimal amount of hardware. This is due to the creation of AMDATA's latest manual scanner known as the "Field Mouse". Small and compact the Field Mouse is ruggedly constructed to handle industrial and field environments.



The Field Mouse is an optimal design addressing the needs of portability, cost, and flexibility. As a result, it has one encoded axis and one operator defined axis and is well suited for quick imaging of difficult geometric conditions. The magnetic V cut front wheel holds the scanner on complex surfaces in applications such as circumferential, axial and even attachment (saddle) welds. In non-magnetic application, a knurled encoder wheel and stroke by stroke data collection keeps the mouse on track. The Field Mouse in conjunction with a portable AMDATA IntraSpectä imaging system, is ideal for inspections by a single operator.

Scanner Features

- Contains scan axis encoding for pulse on position data acquisition.
- Equipped with bi-directional indexing buttons in lieu of second axis encoding.
- Includes spring loaded 2-axis transducer gimbal to ensure uniform probe contact regardless of hand pressure.
- Compact, envelope dimensions including transducer are 5" long, 2.75" wide, and 2" high.
- Stroke axis accuracy is $\pm .06$ " per 3 feet.

Benefits

- Provides the most portable, full imaging capability possible.
- Allows one handed operation.
- Eliminates operator variability in coupling quality normally associated with hand and manual scanning.
- Quick setup; no tracks required.
- Accommodates both line and raster scanning.
- Can work around indexing obstacles. Not restricted to contacting the surface during indexing.
- Allows rapid assessment of a component's condition.
- Can collect data from restricted areas or complex geometries (such as piping elbows and vessel nozzles) which are otherwise not accessible by track based scanners.
- Can be used on any surface or material that is accessible by an operator.



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