

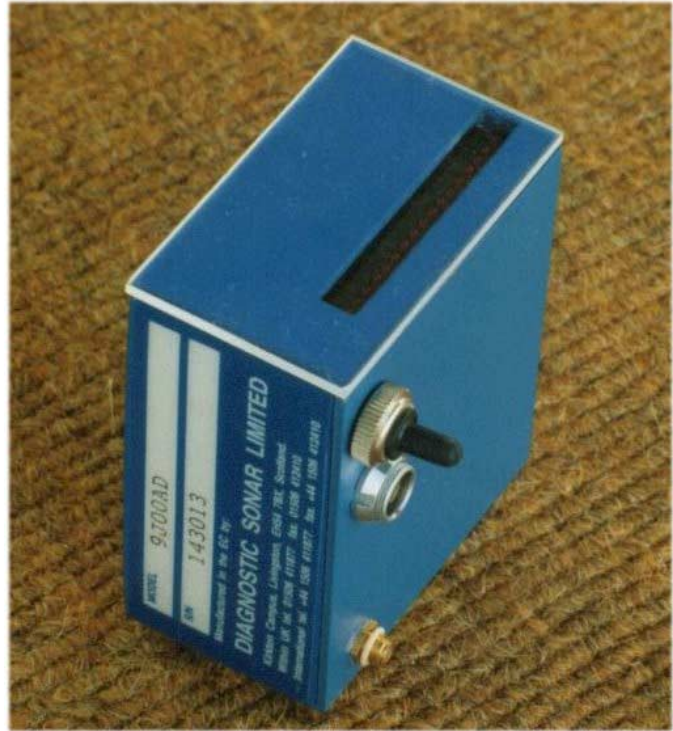
IMX – Array Head Multiplexer

HIGH-SPEED LOW-COST ULTRASONIC INSPECTION AND IMAGING

The IMX multiplexer head is part of a family of arrays and multiplexers which have been designed to address the requirement for rapid, but low-cost, inspection in Non-Destructive Testing.

The interchangeable ultrasonic arrays are mounted onto the bottom of the multiplexer to provide a very compact, yet powerful, inspection head that works with standard ultrasonic equipment such as Flaw Detectors.

The sensitivity benefits of a narrow beam, as used in conventional single element inspection, are combined with the rapid large area coverage capabilities of paintbrush probes, by electronically sweeping the beam along the array.



KEY FEATURES

- Small size 80 x 60 x 35mm (including array)
- Low power <100mA at +5V (battery version available)
- Wide bandwidth DC to 10MHz
- Simple interface
 - Microdot connector to Flaw Detector Transmit/Receive
 - Beam increment automatically derived from Transmit
 - Free-run or fixed beam position for ease of localisation
 - LED display indicates beam position
- Flexible Beam position data available for external mapping systems
- Controllable External digital control of beam position
- Intelligent Automatic identification of array (8 or 16 beams)

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