

1.3.56. PHASED ARRAYS FOR CONVENTIONAL MARKETS – THE EPOCH 1000i

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Ultrasonic phased arrays have become a popular inspection tool, providing advanced imaging, rapid scanning and volumetric reporting capabilities. An increasing number of end-users have specified this technology for common inspections and applications. As the market expands, costs have declined, convenience has improved, and the requirement for a comprehensive conventional flaw detector with phased array capabilities has become prevalent. The EPOCH 1000 Series Ultrasonic Flaw Detector is the latest development, and combines the highest level of performance of conventional portable flaw detection with the power of optional phased array imaging. Based on conventional flaw detector design philosophy, this instrument features a full VGA display, knob or navigation arrows for parameter adjustment, plus full EN12668-1 compliance. This manual phased array imaging offers improved Probability of Detection while maintaining conventional flaw detection techniques. Some typical display images will be shown.