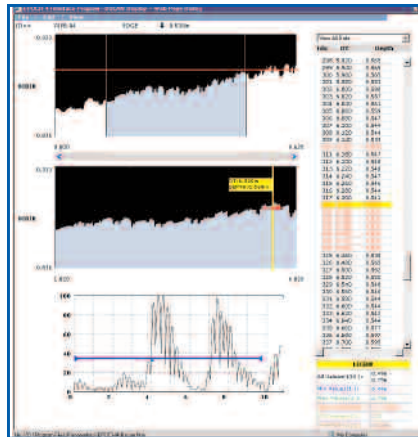




B-SCAN Option for the EPOCH 4

Our advanced digital ultrasonic flaw detector, the Panametrics-NDT™ EPOCH 4, offers a fully encoded B-Scan option that displays scanned thickness measurements of internally corroded pipe or tank walls as easy-to-read cross-sectional images. This time-saving B-Scan option works with multiple crawlers and encoders providing important transducer location information of distance traveled. Complete with thickness markers the B-Scan option provides readings at specific scan locations and the ability to save minimum thickness or alarm conditions that automatically save A-Scans during a B-Scan collection.



EPOCH 4 B-Scan Interface Program allows transfer of stored B-Scan data to a computer.

FEATURES

- Bi-directional, Uni-directional, and Manual scan modes
- Ability to simultaneously view A-Scan and B-Scan
- Scanning resolution up to 0.020" (0.5mm)
- Fast scanning rate (variable based upon operator selectable resolution) of 7.2"/sec. (180mm/sec) with a resolution of 0.040"(1.0mm)
- Automatic audible alarm if scan speed exceeds limit
- Operates in all test modes including Thru-Paint Echo-to-Echo measurements, Time Varied Gain (TVG), Interface Gate, and Floating Gate
- Floating Gate improves precision and consistency of thickness readings
- Ability to save a single screenshot or an entire B-Scan
- Internal storage of up to 250,000 B-Scan thickness readings
- Ability to scroll and review internally stored B-Scan data
- Audible and visual Minimum Depth Alarm for thickness below an operator defined level
- Minimum Thickness continuously captured and updated on screen

B-SCAN OPTION SPECIFICATIONS*

EP4/BSCAN-KIT-XX

Includes:

EP4/BSCAN: B-Scan operating software for the EPOCH 4

EP4/ENC: B-Scan Position Encoder

EP4/ENC/CBL-XX: Position Encoder with specified encoder cable length. (Cable lengths available in 10, 25, 50, and 100 feet)

Notes:

- Panametrics-NDT™ D790-SM, 5.0MHz, 0.434" (11.0mm) diameter, transducer sold separately
- Panametrics-NDT BCMD-316-XXB or L1CMD-316-XXB transducer cables also sold separately
- Transducer cables available in 5, 10, 25, 50, and 100 feet lengths
- B-Scan option can be added to existing EPOCH 4 units

EP4/IP-KIT, OPTIONAL A-SCAN AND B-SCAN INTERFACE PROGRAM

- Browser-Based Interface Program
- Transfer of stored A-Scan and B-Scan files from the EPOCH 4 to a computer
- View entire compressed B-Scan as well as full data displayed on screen for complete review
- Allows viewing of A-Scans stored automatically during B-Scan acquisition based on minimum depth or alarm conditions
- Data can be printed or exported directly to a spreadsheet program for further data analysis
- Provides minimum depth finder and alarm location fields

OPTIONAL ACCESSORIES

EP4/ENC-PH: Probe Holder Assembly

EP4/MW: One pair of magnetic hold down wheels

EP4/EPB: Extension Pole Bracket

EP4/WC: Replaceable Wear Cap

EP4/EWC: Replaceable Extended Wear Cap

EP4/IP-KIT: A-Scan/B-Scan Interface Program on CD-ROM, includes RS-232 interface cable

ENCODER SPECIFICATIONS

Resolution: 50 pulses per inch (0.020" per reading) 2 pulses per mm (0.5mm per reading)

Outputs: Standard quadrature position outputs, TTL/CMOS compatible

Power: Single +5V supply provided by EPOCH 4

Connector: LEMO®, four conductor

Water Fitting: Bronze barbed fitting requires 5/32" (4.0 mm) ID tubing

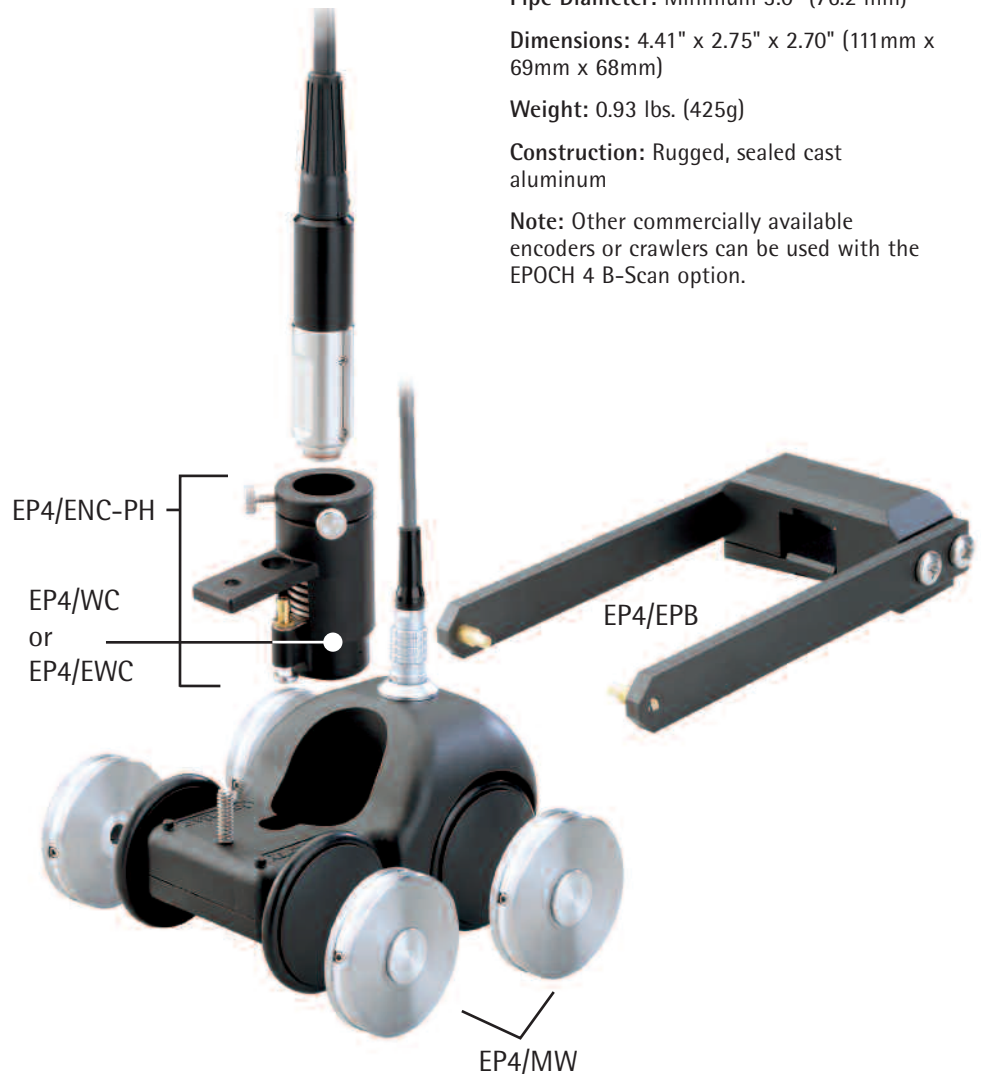
Pipe Diameter: Minimum 3.0" (76.2 mm)

Dimensions: 4.41" x 2.75" x 2.70" (111mm x 69mm x 68mm)

Weight: 0.93 lbs. (425g)

Construction: Rugged, sealed cast aluminum

Note: Other commercially available encoders or crawlers can be used with the EPOCH 4 B-Scan option.



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