The TechScope EZT-II™ portable, durable, single-function (transverse flaw detection), console-style system for inspecting drill pipe and used tubing in extreme environments. The 8-channel flaw detection system is a single board design. The electronics console consists of a heavy-duty, high-impact, synthetic enclosure with sealed and removable cover. All cable connections are mounted in the top instrumentation panel. The cables have 90-degree connectors to eliminate bending. Capacity includes 2 3/8” to 6 5/8” O.D. All electronics are sealed from outside elements. Included is a 2-channel thermal printer. Computer data port is mounted on the top panel for optional DAQTech-III™ data acquisition system upgrade.
The TechScope EZT-II™
Portable EMI Drill Pipe Inspection System (Single-function)

Capacity: 2 3/8” to 6 5/8” O.D. drill pipe and tubing
Functions: 1) Transverse (TV) Flaw Detection (cracks and pits)
Production Rate: Up to 150 Ft. per minute, all functions
Inspection Criteria: The TechScope EZT-II™ is designed to meet most stringent industry requirements set forth by API, DS-1, etc.

Major Components:
1) Electronics console with single-function circuitry
2) Detector shoe (buggy) heads (sizes optional)
3) High-speed buggy drive with variable speed DC motors
4) Powerful DC magnetizing coils
5) Standard air jack set (Hi-Low jacks optional)
6) Calibration standards (sizes optional)
7) DAQTech-III™ Computer Data Acquisition System (optional)

Buggy Heads and Motorized Drive:
- Buggy heads with transverse inspection functions
- Lightweight & durable design
- Heads available for drill pipe sizes 2 3/8” to 6 5/8” O.D.
- Dual motor buggy drive, aluminum frame and high speed DC/variable speed motors. Evenly balanced for maximum traction & shoe life
- Only one buggy drive required for 2 3/8” to 6 5/8” O.D. pipe

Air Jacks and Mag Coils:
- Air Jacks: Standard and Hi-Low type available. Bearings in roller wheels for long life & smooth operation. Air hoses with quick disconnects and track guides included
- Mag coils with sturdy aluminum frames (9”, 11” and 13”) wound for maximum gauss output to comply with the most stringent specifications (API, DS-1, etc.)

TechScope EZT-II™ Electronics Console:
- Maintenance-free enclosure
- Single master P.C. board
- Transverse flaw detection function
- Thermal 2-channel printer records in real time for full presentation
- All systems shipped prewired for optional DAQTech-III™ system
- Computer data output port installed
- Easy access to buggy, coil and printer control switches
- 110V or 220V operation

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