The TechScope EZW-II™ Portable EMI Drill Pipe Inspection System (Dual-function) is designed to provide the operator with a simplified, affordable, and functional drill pipe unit that is easy to set up and operate. Transverse flaw detection and TRUEWALL™ solid state (Hall Effects) wall monitoring functions are standard on the EZW. It’s compact and extremely portable design allows the EZW to be operated on the rig or in-house. Affordable and readily available spare parts are in stock to keep your monthly operational expenses low. Every TechScope EZW-II™ console is shipped with a prewired computer data port to install an optional DAQTech-III™ allowing the connection of a Desktop or Laptop computer. The optional DAQTech-III™ allows the operator to store real-time inspection data results and joint info, as well as display color LCD presentation of the data. The TechScope EZW-II™ can be operated with or without a computer.
The TechScope EZW-II™
Portable EMI Drill Pipe Inspection System (Dual-function)

Capacity: 2 3/8” to 6 5/8” O.D. drill pipe and tubing

Functions:
1) Transverse (TV) flaw detection (cracks and pits)
2) TRUEWALL™ magnetic wall thickness monitoring

Production Rate: Up to 150 Ft. per minute, all functions

Inspection Criteria: The TechScope EZW-II™ is designed to meet most stringent industry requirements set forth by API, DS-1, etc.

Major Components:
1) Electronics console with two-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) Air jack set (standard or Hi-Low models available)
6) Calibration standards (sizes optional)

Buggy Heads and Motorized Drive:
- Buggy heads with transverse and wall monitoring (Hall Effects) inspection functions.
- Rugged and 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 EZW-II™ Electronics Console:
- Maintenance free stainless steel enclosure
- Single master p.c. board for TV and wall systems
- Transverse and wall monitoring functions
- Thermal 4-channel printer records in real time full presentation of TV, and Wall
- All systems shipped prewired for DAQTech-III™ computer option

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