



# TechScope EZW-II™

*Portable EMI Drill Pipe Inspection System  
Dual-Function*

- ◆ High-speed Operation and Productivity
- ◆ Durable Design and Proven Dependability
- ◆ Dual-Function Inspection System
- ◆ Pipe Size Range 2 3/8" to 6 5/8" O.D.
- ◆ Transverse (TV) Flaw Detection System
- ◆ Solid State (Hall Effects) TRUE-WALL™ Wall Monitoring
- ◆ Operates with Digital Chart
- ◆ Quick Setup and Calibration on Location



## **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.



**TechScope EZW-II™ Field Operation**



**Electronics Console**



**NEW TECH**  
systems

*The Industry's Leading Manufacturer of Quality Pipe Inspection Equipment & Related Products with Systems in Over 50 Countries.*

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## S P E C I F I C A T I O N S

### 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



**TechScope EZW-II™ Components**



**Optional Hi-Low Air Jacks**



**Optional DAQTech-III™ System**

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