

## MIZ<sup>®</sup>-80iD

### Integrated Data Acquisition System

#### FEATURES & BENEFITS

- ▶ All-in-one eddy current instrument, probe pusher, and controller reduces system setup from hours to minutes
- ▶ Supports all common steam generator inspection techniques
- ▶ Integral probe interface module (PIM) eliminates the need for probe adapters
- ▶ Integral eddy current instrument improves data quality by the elimination of probe extensions and slip-rings
- ▶ MIZ-iD *Intelligent Device* technology provides automatic probe configuration validation with MIZ-iD equipped probes



#### INTEGRATED PERFECTION

The MIZ-80iD has revolutionized eddy current data acquisition for tubing inspections by providing an integrated eddy current instrument, probe pusher, and control system into one lightweight and efficient package. This innovative approach eliminates complexities associated with deployment, setup, and maintenance resulting in lower costs of operation and reduced human radiation exposure.

A modular design allows the MIZ-80iD to quickly be separated into three modules for ease of handling and transportation. Advanced locating features manage probe life by developing motion profiles to control speeds and positioning of the probes to reduce the risk of probe damage.

# MIZ<sup>®</sup>-80iD

The MIZ-80iD is ready to revolutionize your inspection experience.

## General Specifications

- ▶ **Power:** 100-240 VAC 50-60Hz
- ▶ **Operational Temperature:** 32°F to 113°F (0°C to 45°C)
- ▶ **Storage Temperature:** -4°F to 140°F (-20°C to 60°C)

## MIZ-80iD Eddy Current Instrument

- ▶ **Weight:** 7.0lb (3.18kg)
- ▶ **Size:** 13.0" dia x 7.0"W (33.0 x 17.8 cm)
- ▶ **Frequency Range:** 20 Hz to 1 MHz
- ▶ **Drive:** 0 – 20 Vpp
- ▶ **Supported Probe Technology:**  
Array Probes, Bobbin Probes, and MRPC<sup>®</sup>
- ▶ **Channel Capability:**  
40 Continuous Mode  
512 Multiplex  
640 Super-Multiplex
- ▶ **Gain:** 23-53 dB in 1 dB steps, variable
- ▶ **Maximum Sample Rates:**  
Continuous Mode: 40,000 Hz  
Multiplex & Super-Multiplex : 20,000 Hz

## MIZ-80iD Take-up Reel

- ▶ **Weight:** 40.2 lb (18.2 kg)
- ▶ **Size:** 21"H x 18"L x 11"W (53.3 x 45.7 x 28.0 cm)
- ▶ **Inputs/Outputs:** Ethernet 10/100Base T

## MIZ-80iD Pusher Drive

- ▶ **Weight:** 43.8 lb (19.9 kg)
- ▶ **Size:** 18"H x 11"L x 11"W (45 x 28 x 28 cm)
- ▶ **Probe Speeds:**  
X-Probe 40 inches/second (101 cm/second)  
Bobbin 95 inches/second (241 cm/second)  
MRPC +Point 2 inches/second (5 cm/second)



## Ordering Information

### MIZ-80iD Eddy Current Inspection System Includes:

- ▶ 5/16" to 3/8" Fender and Wheels  
(J-lock or Push-Button conduit attach)
- ▶ Operating Guide
- ▶ MIZ-80iD Certification
- ▶ 2 Power Cords, Shop Air Adaptor
- ▶ Shipping/Storage Cases
- ▶ Pusher Wheel Safety Cover

### Accessories and Consumables:

- ▶ External Sense Coil, Adaptor, and cables
- ▶ Drive Wheels (Contact Zetec Customer Service for Correct Size)
- ▶ 18-inch Quick Release Spool
- ▶ Pre/Post Calibration Kit
- ▶ Manual Wheel Tensioner
- ▶ CE Safety Protection Kit

## Zetec: Innovation That Delivers Results

For nearly 50 years, Zetec has advanced NDT standards and science. We provide new insight and control through inspection solutions that protect our customers' most important assets and ensure the quality of their products. By integrating design and engineering with our own manufacturing, Zetec delivers solutions that optimize productivity, safety and total cost of ownership.



Zetec holds ISO 9001  
and ISO/IEC 17025  
certifications



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