



## FEATURES & BENEFITS

**All-In-One Design** with integrated instrument and probe pusher reduces system set-up time from hours to minutes

**Modular Design** quickly breaks down into three sub-systems that are easy to carry and spare

**State of the Art Instrument** inside the probe reel offers a superior signal quality by eliminating analog slip rings and long cable extensions

**Universal Probe Interface Module (PIM)** supports Array, MRPC and Bobbin probes without needing a probe adaptor

**Single Ethernet connection** eliminates the cost of bulky extension cables, greatly reducing trouble-shooting time

**MIZ-iD Technology** inside the instrument and probe provides automatic configuration

## MIZ-80iD

### INTEGRATED EDDY CURRENT INSPECTION SYSTEM

**All-In-One Package Solution.** The MIZ-80iD combines the industry's leading eddy current instrument, probe driver, power supply and MRPC® controller into one modular solution. The entire package maintains the same footprint as the widely-used Zetec 10D Probe Pusher. Each module is lightweight, easy to connect, and configurable in either left or right hand setups.

The MIZ-80iD electronics connect to the host acquisition system via a single Ethernet connection. The integrated acquisition instrument eliminates the need for probe extensions, probe adapters, analog slip rings and reference probes while improving data quality and noise immunity. The Auto Acquisition Sequencing (AAS) within the MIZ-80iD provides automatic real-time landmark detection.

For more information please contact Zetec Customer Service or visit our website at [www.ZETEC.com](http://www.ZETEC.com).

# MIZ-80iD

## INTEGRATED EDDY CURRENT INSPECTION SYSTEM



The new MIZ-80iD combines the eddy current instrument, probe pusher motion control, MRPC motion control, LAN communications, and power supplies in one unified package, resulting in a significant cabling reduction and a modular design.

### GENERAL SPECIFICATIONS

Power: 100-240 VAC 50-60 Hz  
Operating Temperature Range: 32°F to 113°F (0°C to 45°C)  
Storage Temperature Range: -4°F to 140°F (-20°C to 60°C)  
European Directives and Standards: The CE Mark approves the conformity with applicable directives and standards of the European community

### MIZ-80iD EDDY CURRENT INSTRUMENT

7.0 lb (3.18 kg)  
13.0" Diameter 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  
MRPC®

**Channel Capability:**

40 Continuous Mode  
512 Multiplex  
640 Super-Multiplex  
Gain: 23-53 dB in 1 dB steps, variable

**Maximum Sample Rates:**

Continuous (simultaneous injection) Mode: 40,000 Hz  
Multiplex and Super-Multiplex Modes: 20,000 Hz

### MIZ-80iD TAKEUP REEL

40.2 lb (18.2 kg)  
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

43.8 lb (19.9 kg)  
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:**

- 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

**Cables and Adaptors:**

- External Sense Coil Adaptor

**Consumables:**

- Drive Wheels  
(Contact Zetec Customer Service for Correct Size)
- 18-inch Quick Release Spool

# ZETEC

Toll Free 800-643-1771  
Phone 425-974-2700  
Fax 425-974-2701  
www.ZETEC.com

