

Product Comparison

MIZ-23		MIZ-27CT	
Power	Universal 100-250 VAC input	Power	Universal AC input (90-260 VAC 47–63 Hz)
Display	High Resolution (320 x 240), high contrast LCD with on-screen Help menu	Display	Active VGA (640x480) matrix color
Frequency Range	Single drive frequency is fully adjustable from 50 Hz to 4 MHz	Frequency Range	100 Hz–1 MHz
Sample Rate	High digital sample rate for rapid inspection	Sample Rate	Operator-adjustable up to 8,000 samples/second at 1 frequency; up to 2000 samples/second at 4 frequencies
Packaging	Low power electronics in sealed enclosure requires no external ventilation	Drive Technique	Multiplexed, up to 4 frequencies
Dimensions	With covers: 15 x 30 x 36 cm (6H x 12W x 14D in.)	Drive Voltage	0–16 Vpp
Weight	5.4 kg (12 lb)	Gain	34–58 dB
Probe Output	Single probe supports differential, reflection, and single-ended coil types (differential driver-pickup support is available with appropriate adapter)	Coil Support	Up to 4 Coil Sets (single analog board only) Up to 8 Coil Sets (with second analog board option)
Signal Setup	Adjustable probe drive, gain, screen scaling and signal rotation	Null/Balance	2 independent controls
Signal Processing	Two adjustable filter types: Differential, Low/High Band Pass	Outputs	<ul style="list-style-type: none"> • Eight selectable analog outputs • Parallel printer output • RS-232 computer interface • AC power (90-260 VAC 47-63 Hz) • Remote connector for rotating scanner MRPC and remote control • SCSI type 1 connector • Logic I/O • Industrial I/O (1, 2, 3, 4) • Four probe outputs • VGA
Inputs	<ul style="list-style-type: none"> • Trigger input for rotating scanners • Test enable 	Alarms	<ul style="list-style-type: none"> • Up to 16 independent channels • Flexible on-screen shape and size adjustment • Functions either inside or outside gated area • Logical "and-or" combinations • Color-coded visual indicator
Outputs	<ul style="list-style-type: none"> • HP and Epson printers • Analog outputs for chart recorders • Auxiliary • Solenoid • Controller interface 		
Nonvolatile memory	Stores up to 100 setups and 4 screen images		
In-process Test Capabilities	<ul style="list-style-type: none"> • Fully adjustable on-screen visual and audible box alarm • Optically-coupled test enable output and accept/reject outputs provide full handshake with materials handling controller 		

- Internal part proximity sensing and accept/reject gate solenoid drive allow stand-alone operation
- Data Logging feature allows review of last 200 test readings

Automatic Setup Features

- Automatic probe drive level, instrument gain, screen scaling and gain setup, based on a single test and reference sample
- Automatic alarm box setup based on a statistical sample of up to 100 reference parts
- Automatic frequency scan of test versus reference piece over selectable ranges to aid in selection of probe drive frequency

Operating Temperature Range 0° C—45° C (32° F—113° F)

Storage Temperature Range -17.7° C—60° C (0° F—140° F)

Humidity 100% non-condensing

Signal Processing

- High-pass and low-pass digital filter adjustable in 1-Hz steps
- Differential filter adjustable from 2 to 20 points
- Two 2-frequency mix channel selections

Weight 14 kg (30 lb)

Dimensions 25H x 34W x 38D cm (10H x 13.5W x 15D in.)

Probe/Scanner Support

- MRPC, tubing, surface, AC3, weld scan, and most manufacturers' probes (with adapters)
- Zetec Rotating Scanners

Operating Temperature Range 0° C—43° C (32° F—110° F)

Storage Temperature Range -40° C—85° C (-40° F—185° F)

Humidity 100% non-condensing

Network Support 10/100BaseT

Recording Support

- PC-compatible storage recording device (540 MB Magneto Optical Drive with 540 MB Or 230 MB disk recommended)
- Network recording to Network File System (NFS)

Printer Support

- Parallel
- Front-panel, 1-button control for screen dump to local printer