

## AC3 Air Conditioner Type Probe

### Heavy-Duty Probes for Finned and Skip-Finned Tubing

The Zetec AC3 probe was originally designed for straight skip-finned copper tubing used in air conditioning heat exchangers. This probe uses coil configurations to test tubing with both finned and skip-finned areas, detecting multiple conditions in one pass. One coil detects pitting, wastage, cracking, denting, and bulging. The other coil is insensitive to concentric bulges, concentric wall thickness transitions, tube sheet interfaces, roll transitions, concentric inside diameter transitions, and full supports, while detecting circumferential cracks.

#### FEATURES & BENEFITS

▶ **Effectively test finned and skip-finned tubing**

Two types of coil configurations.

▶ **Detect cracks dents and bulges**

Two types of coil configurations.

▶ **Detect circumferential flaws**

Differential axial coils.

▶ **Low frequency operating range**

2-35 kHz.

Ideal for copper tubing.

▶ **Detect circumferential flaws**

Differential axial coils.

▶ **Increased probe life**

Enhanced housing design.

▶ **Optimized signal response**

Available with adjustable coil spacing design.

▶ **Water resistant**



## Standard Configurations

Probe Diameter		Push Poly Length	Push Poly Type	Frequency Ranges		Connector
AC3	AAC3			AC3	AAC3	
0.380" (9.7mm) to 0.990" (25.1mm) in 0.010" increments	0.490" (12.5mm) to 0.990" (25.1mm) in 0.010" increments	30' (9.1m) 50' (15.2m)	3/8T (Thin wall)	LF 2kHz-35kHz MR 35kHz-50kHz	LF 2kHz-35kHz	Dual 4 pin
Custom options are available for all items						

### Other Probe Head Options

- ▶ AAC3 – Adjustable coil spacing for suppression of evenly spaced tube inner diameter variations or fin responses.

### General Specifications

- ▶ Shipping Dimensions (typical): 20.5" x 21" x 2.2" (52.1 mm x 53.3 mm x 5.6 mm)
- ▶ Shipping Weight: < 6 lbs. (2.7 kg)
- ▶ Operational Temperature: 40°F to 113°F (4°C to 45°C)
- ▶ Recommended Storage Temperature: 55°F to 75°F (13°C to 24°C)

### Recommended Zetec Instruments and Software

- ▶ MIZ®-200, MIZ-85ID or MIZ-28 Instruments
- ▶ High Speed 3D Probe Pusher
- ▶ EddyNet®/AQ, Velocity® PC or UltraVision® ET Software

### Adapters

- ▶ MIZ-27: (Qty 2) 10001860-1
- ▶ MIZ-28: (Qty 2) 10019291-1
- ▶ MIZ-200/85: (Qty 1) 009A802-00

## Zetec: The largest Supplier of Eddy Current Steam Generator Probes Worldwide

For over 50 years, Zetec has manufactured more than 10,000 probe designs to meet the changing needs of the nondestructive testing (NDT) market. As a leading supplier of probes worldwide, our portfolio covers most applications and techniques. With world-class manufacturing facilities, Zetec probes deliver the best results for our customers.



Zetec holds ISO 9001 and ISO/IEC 17025 certifications



Zetec, Inc.  
8226 Bracken Pl. SE Suite 100  
Snoqualmie, WA 98065  
Toll Free: 800.643.1771  
P: 425.974.2700