

The AEROCHECK 3 offers improved mechanical and ergonomic design delivering the best in Eddy Current performance, with rotary inspection capabilities as standard, together with variety of advanced features. Based on operator feedback and embracing the use of new materials, the AEROCHECK 3 delivers to the end-user enhanced ruggedness, a toughened screen, improved connector access and performance, combined with optional features such as an encoder wheel.

**WIDE FREQUENCY RANGE**

The single frequency AEROCHECK 3 has a single frequency and dual frequency range of 10Hz to 20MHz, ensuring a diverse range of real world applications can be met.

**Area of Inspection: Fasteners**  
**Probe: Low Frequency, Slider**

**INDUSTRY STANDARD PROBE CONNECTORS**

The AEROCHECK series uses a wide range of eddy current probes meeting all the needs of the aerospace eddy current inspector. Absolute, Bridge and Reflection connected probes can use the industry standard 12 Way LEMO Connector. A LEMO 00 Connector is also provided for simpler connection of Absolute probes.



**Area of Inspection: Wing & Surface Hinges**

**Probe: High & Low Frequency**

**LIGHTWEIGHT, RUGGED, "SURE GRIP" & ENHANCED PROTECTION**

The AEROCHECK 3 weighs just 1.15kg (2.54lbs) and has a blended polymer case, delivering the benefits of high levels of impact, oil and UV resistance.

Over-moulded rubber gives the end-user improved handling of the flaw detector and enhanced grip, with or without gloves. Ergonomic design is embodied within the case design and at the rear moulded "bars" offer a more comfortable grip of the unit during long periods of use. A wide, detachable hand strap, is also available for easy carrying.

The AEROCHECK 3 Series now offers the option of two models, one with the standard keypad for instrument navigation and the other with a thumbwheel configuration for fast single-handed software navigation, phase and gain adjustment during inspection.



**Window Frames**  
**Probe: High & Low Frequency, Rotary.**

**Engine Blades & Discs**  
**Probe: High Frequency**

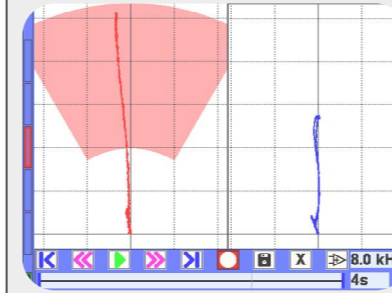
**Engine Mounts**  
**Probe: Surface**

**Wheels, Wheel Brakes, Landing Gear**  
**Probe: High Frequency, Rotary**

**Horizontal Stabilisers**  
**Probe: High & Low Frequency**

**RECORD AND REPLAY**

Up to 164 seconds of live data may be recorded in real-time and then played back either on the instrument or on a PC using the desktop application ETherMap for subsequent analysis and review. The recorded data may be further optimised by adjusting many settings including Phase, Gain, Filters, Display and Spot position.

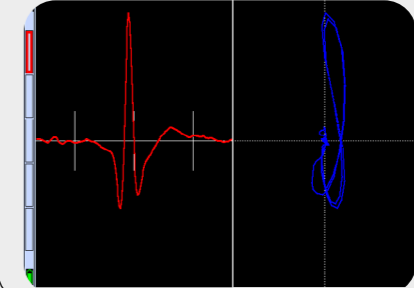


The recorded data may be further optimised by adjusting many settings including Phase, Gain, Filters, Display and Spot position.

**ROTARY CAPABILITIES AS STANDARD**

The AEROCHECK series includes rotary capabilities as standard and can be used with the ETher Mercury (mini) ARD002, Hocking 33A100 or the Rohmann MR3/SR1 and SR2 Drives (with special adapter cable).

**Area of Inspection: Door Access Points & Window Frames**  
**Probe: Rotary**



**DAYLIGHT VISIBLE, CONFIGURABLE COLOUR SCREEN**

The AEROCHECK 3 has a fully daylight readable 14.5cm LCD colour Screen of 640 x 480 pixels ensuring the operator has excellent signal resolution and presentation no matter what the working conditions are. The screen is further enhanced with a 2mm thick anti-reflective polycarbonate protector sheet which has excellent impact strength and added UV protection thanks to an anti-glare coating.

The operator has the option of configuring their own colour schemes, optimising viewing ability of the screen in any light conditions, with a choice of readings in a choice of spot, time-base, waterfall or meter display types.

**Area of Inspection: Bulkhead Frames**  
**Probe: Rotary**

**Area of Inspection: Fuselage**

**Probe: Surface & Sub-Surface**

**EASY TO USE MENUS & ICON SYSTEM**

The AEROCHECK series menu system is simple and fast to navigate with the ability to add individually selectable soft key menu items to the sidebar as recognisable icons for rapid function access and a "quick-setting menu" for easy set-up, review and adjustment.

With four operator-selectable soft keys and a fifth slot for the last menu function used, Technicians can quickly modify the system with their preferences.

Each saved instrument setting can be associated with a unique, single press set of quick access soft keys. There are also two front panel hard keys that can be readily programmed for rapid single press access to frequently used functions.

Summary		Alarm		Probe	
Freq	6.0	Source	1st	Drive	6 dB
Phase	6.0	Action	500ms	Type	Bridge
Gain X	44.0 dB	Stretch		Load	Auto
Gain Y	44.0 dB	Type	Offset	Pane 1	XY
Gain Lock:	Y-X			Pane 2	Ch 1
Input gain:	12 dB	P1 X	-10	Source	None
High Pass	DC	P1 Y	-35	Source	None
Low Pass	300	P2 X	0	Pane 2	Time
		P2 Y	-35	Source	Ch 1

13:08:23	Eddy current	Configure
Probe	Gain 1	Appearance
Gain 2	Filters	Power save
Rotary	Mix	Time & Date
Summary		Load & Save
		About...
		Lock
Display	Advanced	
Graticule	Alarm	
Spot	Alarm Zone	
Offset	Attachments	
Persistence	Guides	
Panes	Record & Replay	
	Auto Phase	