**Advanced Features**

- User friendly interface and ergonomic lightweight design
- Eight hour battery life

**Additional Features Available on the AeroCheck+**

**Dual Frequency Features:** At different frequencies, different signal indications (e.g., lift off and defect) have a different relative phase and amplitude response. By means of Phase Rotation and Gain change of the X Y signal components, the unwanted component is minimised, giving an improved detection of the required signal. By means of Phase Rotation and Gain change of the X Y signal components (e.g. lift off and defect) have a different relative phase and amplitude response. By means of Phase Rotation and Gain change of the X Y signal components, the unwanted component is minimised, giving an improved detection of the required signal.

**Auto-Mix Feature:** A dual frequency mix exploits the phase and sensitivity change between two different types of indication to suppress one and enhance the other. Auto-mix simplifies the sometimes complex procedure of mixing two different frequency signals and can be achieved on the AeroCheck+ through a series of easy steps. Once set up, the Auto-mix itself is as simple as pressing one key.

**User Interface:** The user interface is designed to be intuitive and easy to use.

**Trace Feature:** The trace function allows a reference trace to be stored on the screen and appears along with the trace behind the live trace. This allows the operator to readily compare the live data with the reference calibration.

**Specifications**

- **Frequency:** Single Freq. = 0.1-20MHz, Dual Freq. = 10kHz - 4MHz
- **Gain:** 0 - 60 dB
- **Resolution:** 0.01 dB
- **Observation Time:** 0.1 - 2000 seconds
- **Sweep Rate:** 0.1 - 2000 seconds
- **Digital Spots:** X, Y, R, θ
- **Digital Spot:** Display in X, Y, R, θ
- **Display Modes:** Spot, Time base (0.1-20 seconds x 1-200 scans and up to 55 seconds), Waterfall and Meter with peak hold and % readout.
- **Alarms:** Box, Sector, Automatic, Optimised balance load selection.
- **Alarms:** Box, Sector, Automatic, Optimised balance load selection.
- **Variable adaptive balance drift compensation:** 0.01 - 0.5 Hz (6 steps).
- **Max X/Y Ratio:** +/-100.0 dB
- **Frequency Mix:** Single Freq. = 0.1-20MHz, Dual Freq. = 10kHz - 4MHz
- **Frequency Mix:** Single Freq. = 0.1-20MHz, Dual Freq. = 10kHz - 4MHz
- **Rohmann MR3, SR1 and SR2 Drive (special adapter needed)**

**Equipment**

- **Standard Accessories:**
  - Cable, Lemo 12-Way - Lemo 4-Way (Reflection)
  - Cable, Lemo 12-Way - Lemo 4-Way (Absolut)
  - ALL12-L04-015R

**Additional Features**

- **Advanced Features including Conductivity & Auto-mix, Loop, Guides and Trace**
- **Large, crisp, day readable display**
- **User friendly interface and ergonomic lightweight design**
- **Rotary capabilities as standard**
- **Industry standard probe connectors**
- **Eight hour battery life**
- **Rapid 2.5 Hour charging time**
- **Two-year warranty**

**Conductivity Measurement:** Many of the Aerospace procedures require that Conductivity Measurement is available on the designated Eddy Current Flaw Detector. When connecting the Conductivity Probe, the AeroCheck+ auto-detects the probe and seamlessly switches into conductivity mode. Removal of the probe switches the instrument back to flaw detection mode. No. The Conductivity Measurement Option is available through the purchase of the KACON001 KIT.

**Footnotes:**

- A: Architectural, Home, Commercial and Residential applications
- 2.8kHz overall for all 3 data pairs (X, Y, and Z)
- 8kHz overall for all 3 data pairs (X, Y, and Z)
- Display Modes: Spot, Time base (0.1-20 seconds x 1-200 scans and up to 55 seconds), Waterfall and Meter with peak hold and % readout.
- Alarm Settings: Box, Sector, Automatic
- Alarm Settings: Box, Sector, Automatic
- Variable adaptive balance drift compensation: 0.01 - 0.5 Hz (6 steps).
- Max X/Y Ratio: +/-100.0 dB
- Frequency Mix: Single Freq. = 0.1-20MHz, Dual Freq. = 0kHz - 4MHz
- Frequency Mix: Single Freq. = 0.1-20MHz, Dual Freq. = 0kHz - 4MHz
- Rohmann MR3, SR1 and SR2 Drive (special adapter needed)

**AeroCheck+ - Single Frequency**

**AeroCheck2 - Single Frequency**

**Titles:**

- “Loop” Feature: “Loop” is a convenient way of capturing a short live repetitive signal and then optimising the instrument settings through real-time adjustments of the Phase, Gain, Balance, Filters and Display Configuration in order to simplify the task of optimising the parameters.
- “Loop” Feature: “Loop” is a convenient way of capturing a short live repetitive signal and then optimising the instrument settings through real-time adjustments of the Phase, Gain, Balance, Filters and Display Configuration in order to simplify the task of optimising the parameters.
- “Loop” is a convenient way of capturing a short live repetitive signal and then optimising the instrument settings through real-time adjustments of the Phase, Gain, Balance, Filters and Display Configuration in order to simplify the task of optimising the parameters.
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- “Loop” is a convenient way of capturing a short live repetitive signal and then optimising the instrument settings through real-time adjustments of the Phase, Gain, Balance, Filters and Display Configuration in order to simplify the task of optimising the parameters.
The AeroCheck2 offers the right mix for features for any Eddy Current application need in an easy-to-use package designed entirely with the end user in mind.

**ALL POSSIBLE APPLICATIONS COVERED!**

The AeroCheck2 and AeroCheck+ offer maximum flexibility when deciding which features are needed for your application. As well as the hand-held WILLCHECK & AeroCheck series, the range also includes the VICTOR 2.2D for inline component testing solutions.

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**EXCEPTIONAL SCREEN CLARITY FOR ANY APPLICATION**

**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 (VictorAnalysr) for subsequent analysis and review. The recorded data may be further optimised by adjusting many settings including Phase, Gain, Filters and review. The recorded data may be updated and reviewed. The recorded data may be saved and reviewed. The recorded data may be saved and reviewed.

**Configurable Colour Screen**

The AeroCheck series has a large 14.5cm (5.7 inches) LCD Colour Screen of 640 x 480 pixels providing the Operator with excellent signal resolution and presentation and with the choice of configuring their own colour schemes and display types. It is easy to optimise the screen presentation regardless of the light conditions and it is possible to view a choice of up to two Spot, Time-Base, Waterfall or Meter display types.

**Programmable Soft Keys**

AeroCheck series menu systems are simple and fast to navigate with the ability to add individually selectable soft key menu items to the sidebar as recognisable icons. AeroCheck series menu systems are simple and fast to navigate with the ability to add individually selectable soft key menu items to the sidebar as recognisable icons. AeroCheck series menu systems are simple and fast to navigate with the ability to add individually selectable soft key menu items to the sidebar as recognisable icons.