



# CRY8120 Series Message Map

## Headline



**CRY8120 Series: Raising Performance Standards with Unmatched Precision and Sustainable Innovation.**

## Key Points

Precision	Personalization	Performance
<i>Sensors</i>	<i>User Centric</i>	<i>Energy</i>
<i>View</i>	<i>Functions</i>	<i>Power</i>
<i>Detection</i>	<i>Data Processing</i>	<i>Design</i>

## Expanded Arguments for the Key Points

### Precision

#### 1. Sensors

The CRY8120 Series leverages the latest in ultrasound, vibration, and temperature sensor technology to deliver unmatched accuracy in leak and electrical faults detection, and mechanical analysis. The CRY8120 Series utilizes a 200-channel MEMS microphone array for precise acoustic imaging detecting a leak twice the distance than previous generations.

#### 2. View

With the optional thermal camera module, the CRY8120 Series shows on the display both parameters (ultrasound and Infrared) presenting a multidimensional view of the data. Long pressing the thermal image enters the dragging mode, allowing you to drag the thermal image to the upper area of the main

screen for displaying it in the thermal view. Dragging the thermal image to the left or right area enters the split-screen display mode.

### *3. Detection*

The CRY8120 Series detects gas leaks, electrical discharges, and mechanical faults with exceptional accuracy. Capable of detecting anomalies over a wide frequency range from 2 kHz to 100 kHz, ensuring no detail goes unnoticed.

## **Personalization**

### *1. User Centric*

A high-resolution touchscreen display with 1920 x 1200 resolution ensures clear, detailed visuals, even in bright conditions offering an intuitive and seamless user experience, tailored for efficiency. The acoustic camera's display with 600 nits makes detection easy even in direct sunlight conditions.

### *2. Functions*

Enabling the focus function allows for the detection of minor leaks. When detecting partial discharges, enabling the focus function enhances the accuracy of discharge type identification. Enabling the steady state function enhances anti-interference capability and stabilizes imaging. Create custom templates linked to widgets such as PRPD spectrograms, time domain charts, thermal images, and more, enhancing your workflow.

### *3. Data Processing*

The fastest processor in the industry helps this acoustic camera to estimate leakage volume and displays PRPD charts in real time. Advanced data processing capabilities provide instant, actionable insights, empowering you to make informed decisions swiftly. When the camera and the PC are in the same network, the reporting software can be connected to the device via Wi-Fi for easy data transmission and remote report generation. You can create custom templates linked to widgets such as PRPD spectrograms, time domain charts, thermal images, and more, enhancing your workflow.

## **Performance**

### *1. Energy*

By detecting and addressing inefficiencies, the CRY8120 Series helps industries achieve their sustainability goals, optimize resource usage and mitigate energy losses.

### *2. Power*

Ensure uninterrupted work with easily swappable batteries, a single removable battery provides up to 5 hours of continuous use. An option second battery is available to get up to 10 hours of operation.

### *3. Design*

Engineered with high-quality materials, the CRY8120 Series is both lightweight and rugged, ready to perform in any industrial environment. It withstands harsh industrial conditions, featuring a robust design tested to operate from -20 °C to +50 °C and withstand drops up to 1.2 meters. Also available in an explosion-proof EX version for safe use in hazardous environments.