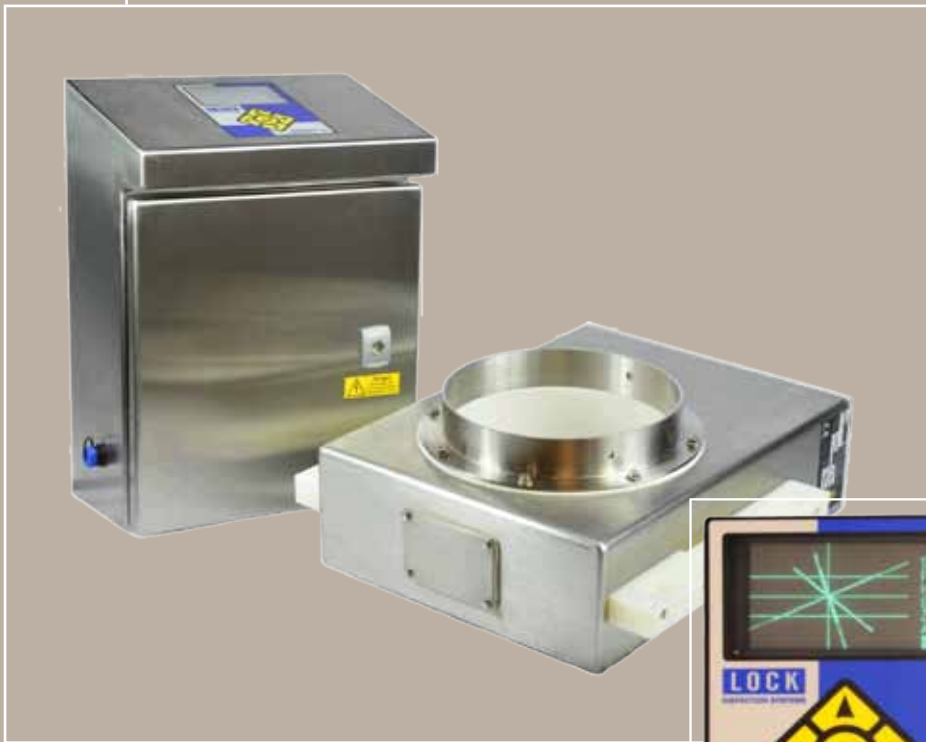


# TECHNICAL DATA

# INSIGHT C5

IN PURSUIT OF PURITY...



Analyse  
Detect  
Report



DDS (Direct Digital Signal)

- **Integrated Digital Search Head and DDS vector display deliver perfect product setups**
- **Best in class sensitivity to magnetic and non magnetic metals**
- **Unique search head construction is stable to extreme vibration and product signal**
- **External USB port**
- **Available with wired or wireless ethernet datalink port and SCADA capability**
- **Menu with multi language options**
- **User friendly operation with auto-learn feature**
- **INSIGHT C5 detector heads are sealed to IP66 (NEMA 4X)**

The INSIGHT C5 metal detector is a slender 115mm/4.5 inch deep and is specifically designed to be installed between gravity feed hoppers and bagging machines or weighing machines. Metal detection and signal processing take place in the compact INTEGRATED DIGITAL SEARCH HEAD. Sophisticated OPTIX detector management software uses Locks unique DDS (Direct Digital Signal) vector diagram to generate the detailed product profile needed to achieve perfect product setups delivering industry leading sensitivities for both magnetic and non magnetic metals, accurately detecting the tiniest particles of challenging contaminants such as stainless steel wire.

The INSIGHT C5 sets new standards for good manufacturing practice - specifically - traceability, efficiency, product quality, and compliance with existing as well as forthcoming regulatory requirements. Each unit is delivered with an external USB port to allow downloading of data for secure storage or distribution in pdf and other formats. Wired or wireless ethernet and SCADA capability are optional/available.

The capability to integrate the C5 with control systems on bagging machines or multi-head weighers guarantees maximum packaging efficiency and total quality assurance.

**LOCK**

# TECHNICAL DATA

# INSIGHT C5

IN PURSUIT OF PURITY...



## Automatic Setup

The INSIGHT C5 will setup and store 200 different presets, automatically calibrating for product effect as it passes through the system. This ensures maximum productivity with industry leading sensitivity to the tiniest conductive and non conductive metal contaminants.

## Integrated Digital Search Head

- Metal detection, control and signal processing all take place within the ultra compact detector head
- Automatic balance control for adjustment-free operation
- User-replaceable electronic module for minimum downtime
- Available to suit product feed tube sizes with diameters between 50mm/2" and 250mm/10" in 50mm/2" increments
- Sealed IP66/NEMA 4X

## Mounting

Suitable for pivot mounting or mounting on a support framework using fixing bolts.

## OPTIX Software

OPTIX is a powerful diagnostic and problem solving tool for engineers and operators. Functions available using OPTIX are:

- Reports
- Direct Digital Signal (DDS) Viewer
- Memory Backup
- Language and Software Update
- Diagnostics

## General

- User friendly membrane with multi language option. DDS (Direct Digital Signal) vector diagram, represents what's happening during the metal detection process and aids perfect product set up.
- Automatic TEST SAMPLE prompt
- Permanent memory stores up to 8000 data events, which are retained when power is interrupted or disconnected
- Data reports can be downloaded to a standard memory stick for secure storage or distribution in pdf and other formats

## Options

Lock can supply bespoke frames, tubes and funnels to suit customer installations.

## Security Codes

Four password protected security levels are provided:

- L1: Operator level to change product types
- L2: Supervisor level to change setup mode
- L3: Engineering level to access factory setup parameters
- L4: Administration level to enable multi-user ID/password system

## Communications

Every INSIGHT C5 metal detector is available with wired or wireless ethernet connectivity and SCADA capability. The external USB port allows all events and product presets to be downloaded onto a standard memory stick or PC to enable secure storage and distribution of quality records in PDF or other formats.

## Outputs

- Voltage-free relay contacts. Rating 240V, 3A resistive

## Power Supply

- Universal power supply 88-264V AC 47-63Hz

## Operating Environment

- Temperature: -10° to 40°C/14° to 104°F
- Humidity: up to 95% RH

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