



Analyze 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 unlimited language options
- User friendly operation with auto-learn feature
- INSIGHT C5 detector heads are sealed to IP54, IP65 or IP66 (NEMA 12, NEMA 4 or NEMA 4X)
- ATEX approved to Zone 22

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 supplied with an external USB port to download data for secure storage and distribution in pdf or other formats. Wired or wireless ethernet and SCADA capability are available.

The capability to integrate the V5 with control systems on bagging machines or multi-head weighers guarantees maximum packaging efficiency and total quality assurance.

Automatic Setup

The INSIGHT C5 will automatically setup and store 200 different presets, calibrating for product effect as each product 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

- 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 300mm/12" in 50mm/2" increments.
- Sealed to IP54/NEMA 12, IP65/NEMA 4 or 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
- Comms Setup
- Diagnostics

General

- User friendly membrane or optional touchscreen HMI both feature unlimited language options and DDS (Direct Digital Signal) vector diagram display, a view into the metal detector.
- 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

- External USB port to download data for secure storage or distribution in pdf or other formats
- Available with wired or wireless ethernet and SCADA capability for networking of machinery, product data and Quality Assurance information

Outputs

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

Power Supply

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

Operating Environment

- Temperature: -10° to 60°C/14° to 140°F
- Humidity: up to 95% RH

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