



Precise • Reliable • Easy to Operate

Model 5500 E1 Metal Detector



Description

The Tectron® Model 5500 E1 is engineered to be the most sensitive metal detector on the market for installation on conveyor belts carrying coal, minerals, aggregates, and other bulk materials. The Model 5500 E1 can be tuned to ignore conductive ores such as gold, copper or zinc while still detecting small pieces of tramp metal. The Model 5500 E1 is available in nearly any belt width, and is factory customized to fit your conveyor, and can be supplied as a flat-pack under-belt style detector. The modular design makes the Model 5500 E1 easy to install without the use of special tools, or the need to cut the belt, while the field replaceable electronics are easy to operate and maintain. With thousands of units installed worldwide, the Model 5500 E1 has proven to be reliable and durable.

Typical Applications

- **Aggregate:** Protects Impact Crushers
- **Asphalt:** Protects Impact Crushers
- **Mining:** Protects Impact Crushers
- **Wood Chip:** Protects Hogs and Impact Crushers
- **Waste Wood:** Protects Hogs and Impact Crushers

Features & Benefits

- **Single, Field Replaceable, Solid State plug-in Electronic Module:** Simple to service & maintain with interchangeable boards
- **Potentiometers for adjusting sensitivity:** Easy to operate
- **Function and metal indication LEDs:** Ensures you always know the status of your metal detector
- **Self Test Circuits:** Simplifies troubleshooting by automatically diagnosing problem
- **Adjustable Frequency:** Frequency adjustment can eliminate airborne interference from motors, CB radios, and other external sources
- **Flexible Design & Programming:** Customized to meet unique application requirements
- **Rugged Fiberglass Reinforced Plastic frame & Antennas:** Able to withstand the harshest environments
- **Swing away Transmitter Antenna:** Reduces the likelihood of damage from large lumps and over-burdens
- **Three year warranty:** Ensures long life of reliable service

Why Tectron Engineering?

Keeping production up and running is essential to your operation. Equipment damage caused by tramp metal not only costs you time and money in replacing damaged equipment, but most importantly it costs you production time. Tectron Metal Detectors are designed to protect expensive crushers, grinders, saws and other downstream equipment from metallic contaminants while minimizing false trips. Tectron offers a wide variety of detectors and sensitivities to choose from so you can be sure that you're getting the right detector for the application, all with a 3 year warranty. Manufacturing the most reliable metal detectors for bulk material handling is all we do, and with over 40 years experience, you can rely on the most trusted name in the industry.

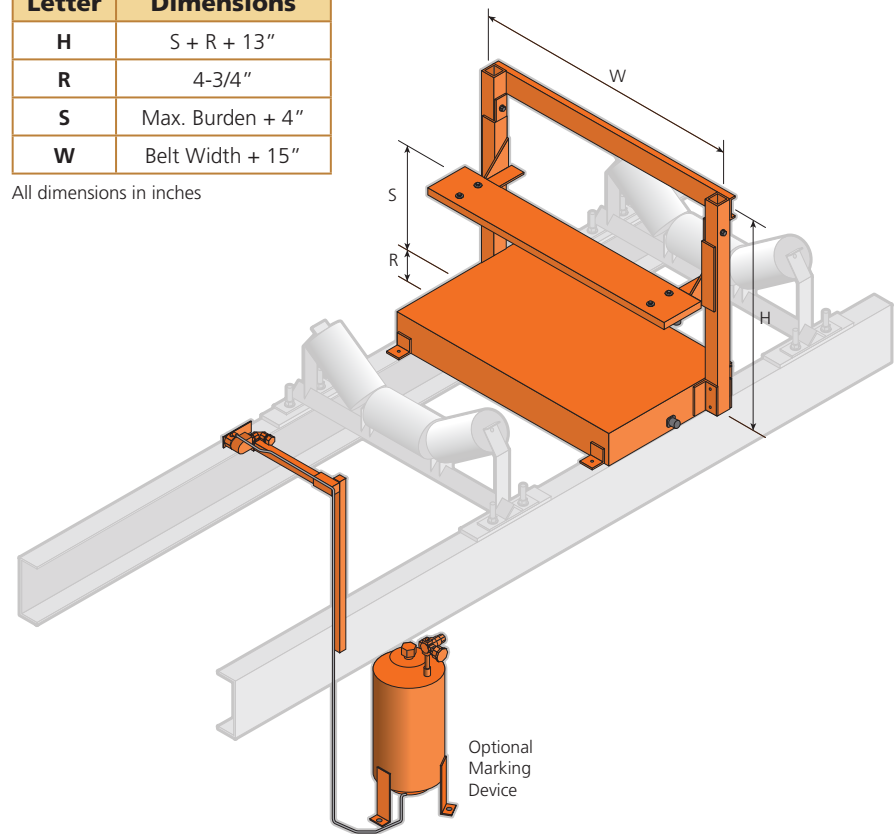
Product Specifications

Specifications	Values
Sensitivity	2.5% of Aperture height
Electronics	Field replaceable solid state electronics
Enclosure	NEMA 4 (IP65) standard (NEMA 4X, 7, 9 available)
Interconnecting Cable	15 feet (4.5m) standard
Construction	Fiberglass Reinforced Plastic frame with reinforced fiberglass antennas.
Input Voltage	110/220 VAC, 1ph, 50/60Hz
Power Required	No Output Load – 190 Watts Max. Output Load – 850 Watts
Outputs	Direct Output (Metal Detect) – Switched Supply (Mains) Voltage, Rated 9A Timed Output (Metal Detect) – Switched Supply (Mains) Voltage, Rated 9A
Operating Temperature	14° to 120°F (-10° to +50°C) (Extended temperature ranges available on request)

Product Drawing

Letter	Dimensions
H	S + R + 13"
R	4-3/4"
S	Max. Burden + 4"
W	Belt Width + 15"

All dimensions in inches



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