



### Metal Sheet Label

The Metal Sheet Label delivers top-of-the-line performance and superior merchandise protection when attached to metal surfaces or metallic packaged products. This label expands merchandise protection capabilities to include previously unprotectable SKUs that were difficult to protect with standard EAS labels. It also provides exceptional range, sensitivity, detection, and consistent deactivation at the point-of-sale (POS).

Designed to perform on metal surfaces or metallic packaged products such as canned food items, baby formula, energy drinks, and DIY tools, this robust and stable AM EAS label operates efficiently after exposure to environmental stresses, including shipping and handling. Available for in-store hand application, this label can also be applied to merchandise at the point of manufacturing so retailers can receive floor-ready merchandise with consistent label placement-expediting receiving and selling floor fulfillment.

### Retailer Values

- Expands product protection categories to cover previously unprotectable SKUs to help increase sales
- Delivers the highest level of anti-theft protection for on-metal products to help deter shoplifting and ORC activity
- Robust construction provides optimal merchandise protection

### Suggested Solution Application

Energy Drinks, Baby Formula, DIY Tools, Housewares, Health & Beauty Metalized Containers, Batteries, Canned Food Items, Automotive, Cannabidiol (CBD) Product Packaging

### Product Codes

ZLMTLS1: White

### Technology

Acousto-Magnetic (AM)

### Product Compatibility

Sensormatic AM detection and deactivation devices.

### Environmental Constraints

#### Temperature

Maximum storage temperature not to exceed 50°C (122°F) for 96 hours at 80% RH.

#### Humidity

Unaffected by 80% humidity at 50°C (122°F), up to 96 hours.

#### Shelf Life

Two years from date of manufacture when labels are stored between 15°C–32°C (60°F–90°F), 30–80% RH.

### Mode of Application

Hand

### Materials of Construction

#### Plastic Substrate

Polystyrene/Polyethylene 0.254mm (0.010in) thickness

#### Magnetic Acoustic Resonator

Proprietary resonant magnetic material  
Amorphous alloy based on iron, containing nickel, cobalt, boron and silicon

#### Laminate

Low Density Polyethylene/Polyester  
0.101mm (0.004in)

#### Bias

Proprietary semi-hard magnetic material containing iron and nickel

#### Adhesive

Double-coated, rubber-based adhesive:

- 2.4 mil thick each side
- Minimum peel strength of 2.27kg/5lbs/in

#### Release Liner

Double-sided, silicon-coated 80lb. bleached Kraft liner 0.114mm (0.0045in) thick.

**Dimensions**

Color ..... White  
 Length..... 45.21mm ± 0.5mm  
 (1.78in ± 0.020in)  
 Width ..... 10.67mm ± 0.5mm  
 (0.420in ± 0.020in)

**Label Thickness**

Without liner ..... max. 2.32mm (0.091in)  
 With liner .....max. 2.47mm (0.097in)  
 Labels Per Sheet..... 108

**Sheet Specs**

Sheet Specs	
	Sheet
PRODUCT CODE	ZLMTLS1
Case Weight	2.336kg (5.15lbs)
External Carton Dimensions	27.9 x 20 x 11cm (11 x 8 x 4.5in)
External Cubic Ft. Per Case	0.23
Cases Per Pallet	160
Order Multiple	2,500-unit case

**CE** This product is in conformity with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulation as defined in EC No 1907/2006 and subsequent amendments.

