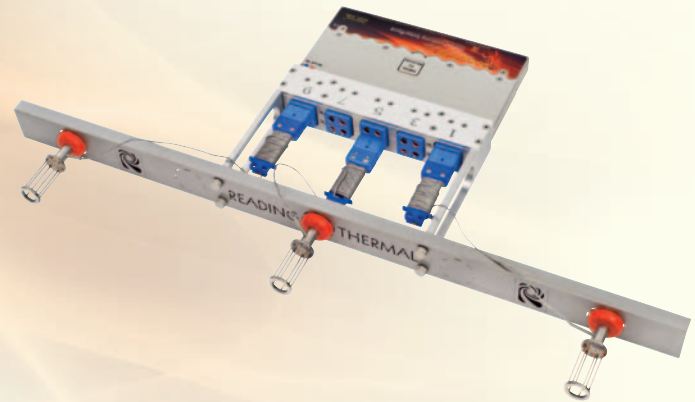




# Magnetic Temperature Sensor Arrays

The **Magnetic Temperature Sensor Arrays** are intended for the customer who wants fixed sensor repeatability for bulk air temperature measurements. Designed as a low-cost alternative to the conventional Temperature Sensor Array, it mounts to the Temperature Interface device. Up to 10 Magnetic Base Air Temperature Sensors are placed along the U channel at user controlled locations.

Designed as a fixed-length array to match conveyor widths from 300mm (11.8") to 3000mm (118"). The Magnetic Stainless Steel U Channel provides the mounting point for 1 - 10 Magnetic Base Air Temperature Sensors. This allows the user to study side-to-side temperature variation across the width of a conveyor. *Requires a Temperature Interface (device pictured).*



## Technical Summary\*:

- Mounting Hardware compatible with Temperature Interface
- Number of Magnetic Base Air Temperature Sensors: 1 - 10
  - Sensor Type: Type T thermocouple
  - Resolution: 0.025°C (0.045°F)
  - Accuracy: ±1.0°C (±1.8°F)
  - Response Time:  $t_{60} = 3.5\text{sec}$  in air at 1m/sec (200ft/min)
- Operating Temperature Range: -50°C (-58°F) to 350°C (662°F)
- Battery Running Time: 50+ hrs.

*\*Not rated for condensing environments*



READING THERMAL