

PRODUCT SPECIFICATION

The Human Sensor for Gantry Crane is an advanced safety and anti-collision detection device engineered specifically for industrial material handling environments. Designed to prevent workplace accidents, this sensor accurately detects the presence of personnel within hazardous operating zones of gantry cranes, overhead cranes, and automated machinery, triggering automated warnings or emergency braking systems.



Key Features & Benefits

- **High-Precision Detection:** Reliable human presence sensing to minimize false alarms from background machinery or inanimate objects.
- **Enhanced Industrial Safety:** Effectively reduces the risk of collision and personnel injury in heavy-duty working zones.
- **Robust Enclosure:** Housed in a durable, industrial-grade weather-resistant enclosure designed to withstand harsh factory and outdoor operational conditions.
- **Seamless Integration:** Easily interfaces with existing crane control panels, PLCs, and safety alarm systems.
- **Low Maintenance:** Engineered for continuous, long-term operation with minimal downtime.

Technical Specifications

Product Name :	Human Sensor for Gantry Crane
Application :	Gantry Cranes, Overhead Cranes, Industrial Automation Safety
Sensing Technology :	Advanced Human/Presence Detection
Operating Voltage :	Industrial Standard (e.g., 24V DC / 110V–220V AC customizable)
Enclosure Material :	High-Impact Industrial Grade Polymer / ABS (Ruggedized casing)
Protection Rating :	IP65 (Dustproof and Water-resistant for harsh environments)
Output Type :	Relay Output / NPN / PNP (configurable per system requirement)
Operating Temperature :	-10°C to +70°C
Mounting Type :	Surface / Bracket Mount on Crane Bridge, Trolley, or End Carriage

Applications

- Gantry and Portal Cranes
- Overhead Traveling Cranes (EOT)
- Automated Material Handling & Conveyor Systems
- Industrial Warehouses and Manufacturing Plants

Ordering Information

- Model Code: HSC-GC-01
- Standard Package Includes: Human Sensor Unit, Mounting Brackets, and Installation Manual.