

TECHNICAL DATA SHEET

TC005 People Counter

Infrared Beam Entry/Exit Counting System

Product Description

The TC005 People Counter is a compact, reliable infrared counting system designed to monitor foot traffic in retail, public facilities, events, and restricted-access areas. It uses a single-beam infrared sensor to count each person passing through an entry or exit point, providing simple and accurate data collection.

Its standalone, battery-powered design allows rapid installation without wiring or configuration, making it ideal for temporary or permanent monitoring.

Key Features

- **Accurate infrared beam interruption counting**
- **Simple installation**—no cables or tools required
- **Battery-powered for long operating life**
- **Compact and lightweight**
- **LCD display for quick on-site totals**
- **Suitable for indoor and sheltered environments**
- **Ideal for entrances, walkways, and controlled-access points**

Technical Specifications

Parameter	Specification
Model	TC005 People Counter
Counting Method	Infrared single beam
Display	LCD (total count)
Power Source	Internal replaceable batteries
Battery Life	Approx. 1–2 years (usage dependent)
Detection Range	Typically 2–3 meters

Parameter	Specification
Accuracy	>95% in single-direction flow
Operating Environment	Indoor / sheltered outdoor
Operating Temperature	0°C to 50°C
Material	ABS or Polycarbonate housing
Mounting	Adhesive pads or screw mounts
Dimensions	Approx. 100 × 60 × 25 mm (per sensor unit)
Weight	Approx. 100 g per unit

Applications

- Retail store entrances
 - Community centres & libraries
 - Public toilets and amenities
 - Events, exhibitions, and venues
 - Parks & visitor centres
 - Workplace and facility monitoring
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System Components

- **1 × IR Transmitter**
 - **1 × IR Receiver with count display**
 - **Mounting accessories** (adhesive or bracket, model dependent)
 - **User instructions**
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Installation Overview

1. Mount transmitter and receiver opposite each other.
 2. Ensure beam alignment using indicator lights.
 3. Activate unit using power switch or magnetic key (model specific).
 4. LCD will display total counts for the monitoring period.
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Maintenance

- Replace batteries when display dims or count fails to register
- Keep lenses free from dust for maximum accuracy
- Verify alignment periodically