

## TECHNICAL DATA SHEET

### Omega G Traffic Counter

#### Pneumatic Road Tube Vehicle Counting System

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### Product Description

The **Omega G** is a compact and highly reliable pneumatic traffic counter designed for simple, accurate vehicle volume collection using standard road tube technology. Built for durability and ease of operation, the Omega G provides dependable performance in both low and high-volume applications, making it ideal for councils, engineers, contractors, and traffic survey organisations.

The unit features a rugged, weather-resistant housing, long-life internal power, and straightforward data retrieval—ensuring consistent results in demanding roadside environments.

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### Key Features

- **Single-tube pneumatic input** for total vehicle counts
  - **High-accuracy air pulse detection**
  - **Weather-sealed and impact-resistant enclosure**
  - **Long-life battery system** for extended field use
  - **Simple display readout** (magnet or button activated)
  - **Fast deployment** with minimal setup
  - **Compact, lightweight design**
  - **Compatible with all standard road tubes**
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### Technical Specifications

Parameter	Specification
Counter Type	Pneumatic road tube counter
Inputs	1 × road tube

Parameter	Specification
Count Resolution	1 count per two tube strikes (typical)
Display	LCD, magnet or button activation
Housing	Weather-resistant, sealed casing
Power Source	Internal long-life battery
Battery Life	Multi-year depending on use
Operating Temperature	-40°C to +70°C
Dimensions	Compact portable form factor
Weight	<1 kg (typical)
Tube Compatibility	¼" to standard pneumatic road tube
Speed Range	5–100+ km/h (site dependent)

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## Performance

- Designed for **high-speed and low-speed** vehicle counting
  - Accurate detection of pneumatic pulses at varying volumes
  - Suitable for short-term counts and repeat roadside studies
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## Applications

- Vehicle volume traffic surveys
  - Rural, suburban, and urban traffic studies
  - Council traffic analysis
  - Contractor and engineering survey work
  - Temporary roadside data collection
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## Installation Notes

- Install road tube perpendicular to traffic flow, secured with nails and flaps
- Ensure tube tension and position are correct for consistent pulse generation
- Mount counter at roadside away from direct vehicle exposure
- Read counts using magnetic activation or display button

- Compatible with standard roadway installation accessories
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## Package Contents

- **1 × Omega G Traffic Counter**
- **1 × Display Magnet Key** (if included)