

TECHNICAL DATA SHEET

Product: 100m Pneumatic Road Tube

1. Description

The 100m Pneumatic Road Tube is a heavy-duty rubber tube designed for accurate traffic counting and monitoring over extended lengths. Ideal for long lanes, multi-lane roads, or continuous survey installations, it delivers reliable performance in temporary or semi-permanent traffic studies.

2. Features

- **Extended Length:** 100 meters for long-lane or multi-lane traffic monitoring.
- **Durable Rubber Construction:** Resistant to wear, punctures, and environmental conditions.
- **Flexible & Lightweight:** Easy to roll out and reposition.
- **Accurate Vehicle Detection:** Transmits consistent pneumatic pulses for precise data collection.
- **Weather Resistant:** Performs under extreme temperatures, rain, and UV exposure.
- **Reusable:** Can be redeployed multiple times without damage.

3. Technical Specifications

Parameter	Specification
Material	High-Quality EPDM Rubber or equivalent
Outer Diameter	13mm (depending on model)
Inner Diameter	5mm
Tube Length	100 m
Connector Type	Standard pneumatic fitting compatible with most traffic counters
Operating Pressure	0.3–0.6 bar (nominal)
Operating Temperature	-30°C to 70°C
Color	Black

Parameter

Specification

Packaging

Coiled on spool or reel for easy deployment and storage

4. Installation Instructions

1. Uncoil the tube and position perpendicular to traffic lanes.
 2. Use road tube clamps, pig-tail anchors, or other securing devices at intervals to prevent movement.
 3. Connect ends to pneumatic traffic counters using standard fittings.
 4. Test the system to confirm proper pulse transmission.
 5. Periodically inspect for wear, damage, or displacement during use.
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5. Applications

- Long-lane or multi-lane traffic volume surveys
 - Temporary or semi-permanent traffic monitoring
 - Vehicle classification and speed studies
 - Road safety and infrastructure planning
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6. Packaging & Storage

- Supplied coiled on a spool or reel for easy handling.
- Store in a cool, dry location away from direct sunlight.
- Avoid sharp objects and heavy loads that may puncture the tube.