

TECHNICAL DATA SHEET

36 m D-Tube (Pneumatic Road Tube)

1. Description

The 36 m D-Tube is a high-quality pneumatic road tube designed for accurate vehicle detection and traffic data collection. Its 36 m length makes it suitable for medium-length lanes, temporary surveys, or multi-lane traffic monitoring setups. The D-shaped cross-section improves stability when deployed on the roadway.

2. Features

- **Durable Material:** Made from high-quality rubber resistant to wear and punctures.
- **D-Shaped Profile:** Enhances stability on road surfaces and prevents rolling.
- **Flexible & Lightweight:** Easy to deploy, remove, and store.
- **Weather Resistant:** Performs reliably in extreme temperatures, rain, and UV exposure.
- **Accurate Vehicle Detection:** Consistently transmits air pulses to traffic counters.
- **Reusable:** Can be redeployed multiple times without compromising performance.

3. Technical Specifications

Parameter	Specification
Material	High-Quality EPDM Rubber or equivalent
Tube Length	36 m
Cross-Section	D-Shaped
Outer Dimensions	20 mm height × 25 mm width (typical)
Wall Thickness	2–4 mm
Connector Type	Standard pneumatic fitting compatible with most counters
Operating Pressure	0.3–0.6 bar (nominal)
Operating Temperature	-30°C to 70°C
Color	Black (optional reflective stripes for visibility)
Durability	≥ 1 million vehicle actuations under normal conditions
Packaging	Coiled on a spool box or pallet where applicable

4. Installation Instructions

1. Lay the D-tube perpendicular to traffic flow on the road surface.
2. Secure it with road tube clamps, pig-tail anchors, or other appropriate fasteners at recommended intervals.
3. Connect the tube ends to the pneumatic traffic counter using standard fittings.
4. Test the system to ensure proper pulse transmission.
5. Regularly inspect for wear, displacement, or damage during use.

5. Applications

- Medium-length lane traffic surveys
- Temporary traffic monitoring installations
- Vehicle classification and speed monitoring
- Road safety and planning studies

6. Packaging & Storage

- Supplied coiled on a spool or in protective packaging.
- Store in a dry, cool area away from direct sunlight.
- Avoid sharp objects or heavy loads that may puncture or deform the tube.