

Included FREE!



MetroCount
Traffic Executive™
software

MetroCount 5600 Vehicle Classifier System

The MetroCount 5600 is MetroCount's most popular traffic monitoring system. Using two pneumatic tubes, the MC5600 stores every axle to give vehicle volume, speed and classification data. With thousands in use in over 85 countries, and used by most of the world's large service providers, the MC5600 sets the standard for portable traffic monitoring.

- *Why are MetroCount 5600 classifiers so popular?*
- *Why should you be using the MetroCount 5600 for your next traffic survey?*



Supplied with Traffic Executive™ software – FREE!

Includes MetroCount's industry-leading Traffic Executive software. With Traffic Executive, you have the most comprehensive, sophisticated, yet easy-to-use Windows software for all your field operations and data analysis (supports Vista – see Traffic Executive brochure for details).

Stores every axle

The MC5600 has only one operating mode: "store every axle". You choose after the survey how to analyse and share your "time-stamped" traffic data. You can easily and interactively change units of measurement, classification schemes, and a host of other parameters.



Easy to operate

Simple software interface for system set-up, data unload and diagnostics.

Simple design, robust hardware, proven reliability

Roadside "black box" with no built-in display or keyboard. Dual-level protection: separate stainless steel roadcase and sealed main system unit. Maintenance free auto-ranging axle sensors.

Long-life replaceable batteries

Easily replaceable alkaline battery packs allow continuous surveys of around 290 days, even longer with less frequent use!

Data integrity

Proprietary raw data format authenticated by a digital signature. Data cannot be tampered with.

Easy survey management

Operating software includes "Site Lists" for easy survey management, with GPS interface. Manage your surveys from the comfort of the office!

Full diagnostics

Examine your data during unload – never leave a site with faulty data again! Status LEDs give operating and diagnostic feedback without needing a computer or built-in display.

Comprehensive data analysis

Traffic Executive provides many data analysis and diagnostic options. Summarise your data statistically or explore individual vehicles and axles. Communicate your data in graphs and charts. Customise your own reports or effortlessly export to other programs (eg MS Excel, Access) via XML.

Choice of levels and features, with post-purchase upgrades

The MC5600 is available in the "Base", "Regular" and "Plus" models, each offering increasing levels of software support. The "Batch" option allows automatic data analysis with Traffic Executive. Demo models are also available, and all models can be upgraded later via email.

Why no built-in interface?

The MetroCount 5600 Roadside Unit has no built-in keyboard or display for maximum reliability.

Keyboards and displays add cost and complexity, are prone to damage, and are only used infrequently.

MetroCount includes software for readily available notebook or netbook PCs, providing full functionality via graphical interface for ultimate ease-of-use.



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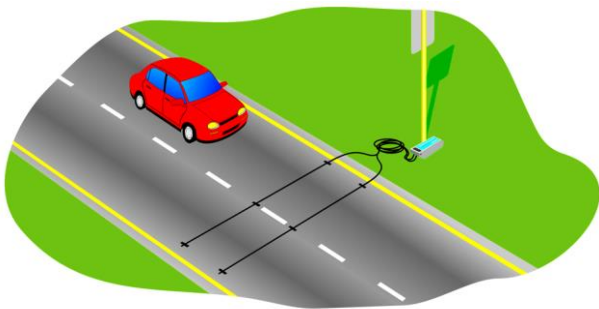
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MetroCount®



The Traffic Data Specialists



Why use pneumatic tubes?

Detecting axles using rubber pneumatic tubes is the most cost-effective traffic sensing method, especially for short-term surveys. Pneumatic tubes are cheap, easy to install and reliable, and remain accurate over wide environmental conditions.

Throughout the world, all detailed vehicle classifications schemes rely on axle positions. Many other systems attempt inductive, optical or magnetic methods. But only axle detectors give precise speeds and wheel positions over the entire vehicle spectrum.



Table 1. MetroCount 5600 Roadside Unit Hardware Specifications

Internal battery	User replaceable battery pack 6V 18Ah, 4 D alkaline cells.
Battery life	290 days at 25°C in continuous Run mode.
Current drain	Run – less than 1.8mA. Stop – less than 100µA. Comms – less than 8mA.
Memory	512kB, 1MB and 2MB CMOS RAM.
RAM backup	3.6V Nickel Cadmium.
Baud rate	9,600 or 38,000bps, using Block method with Acknowledge.
Sensor type	Pneumatic tube.
Time resolution	Better than 1ms.
Sensor spacing	800mm to 1200mm.
Enclosure	Dual system with outer stainless steel road case and internal PVC Main System Unit.
Dimensions	Stainless steel road case – 350mm x 124mm x 95mm. PVC Main System Unit – 243mm x 107mm x 82mm.
Weight	Stainless steel road case – 2.5kg. Main System Unit without battery pack – 1.06kg. Battery pack – 570g.
Storage temp.	-20°C to 70°C.
Operating temp.	-10°C to 60°C with reduced battery life at temperature extremes.
Operating humidity	0 to 95%, non condensing.
Altitude	0 to 3000 metres.
Accessories	Traffic Executive™ software. Operating and reference manual. Data communications cable.
Optional accessories	Traffic survey field kit. Notebook computer.

Table 2. Estimated Battery Performance Based on measurements of 6V/18Ah alkaline battery packs at 25°C

Duty Cycle	Example of Usage	Battery Life (approx.)
100%	Continuous surveys	290 days / 0.8 yr
50%	1 week survey / 1 week off	540 days / 1.5 yrs
25%	1 week survey every 4 weeks	1,080 days / 3.0 yrs

Table 3. Individual Vehicle Capacity Class / speed survey, ALL axles with spacings, 2MB memory

Road ADT (4 lanes)	Traffic Volume (per lane)	Days (approx.)
64,000 per day	16,000 per day	14
32,000 per day	8,000 per day	28
16,000 per day	4,000 per day	60
8000 per day	2,000 per day	120

Table 4. Individual Axle Capacity Count survey, single sensor, ALL axles

Memory	Total Axle Events Logged (approx.)
1MB	500,000
2MB	1,000,000

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