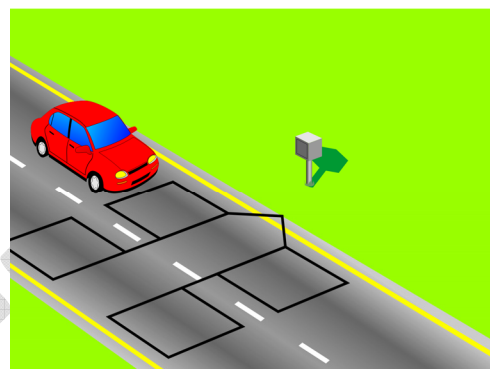


Supplied with...



MetroCount
Traffic Executive
software

MetroCount 5810 Loop Classifier



The innovative new **MetroCount 5810 Digital Loop Classifier** is a two lane, four input, time-stamped vehicle counter and classifier, utilising inductive loops as the vehicle sensor. The MC5810 expands and complements the MetroCount family of RSUs, using the familiar MetroCount RSU enclosure, and MetroCount Traffic Executive's comprehensive setup, diagnostic and analysis software

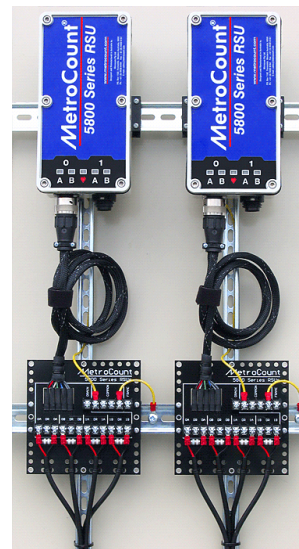
Key features of the MC5810:

- Each input has its own ultra low power synthesised oscillator.
- Data is stored in flash memory, ensuring data integrity.
- Very low power consumption 32-bit RISC core – Six month battery life.
- Auto-tuning of all loops, with no adjacent interference
- Loop fault recovery (such as parked cars).
- Multiple levels of transient protection.
- Robust, high-reliability loop input connector.
- External power capability, such as solar.
- Built-in loop monitoring (including inductance) and full diagnostic tools.
- Time-stamped records of individual vehicles with Speed, Class/Length, Gap, etc
- Configurable thresholds and lockout times.

MC5800 Series Accessories

A range of accessories is available for the MC5810, to provide flexibility in installation, and maintain reliable loop connections. The MC5800 Series Breakout Board provides the interface between the MC5810's loop input connector, and the loop feeder cables. Features include:

- Integrated, flexible cable for connection to MC5810.
- Robust screw terminals, providing easy inspection of connections.
- Gas discharge tubes, providing an extra level of protection.
- Convenient commoning bar.
- Holes for cable-tie strain relief of all cables.
- Multiple mounting points, and optional DIN rail mount.



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Ultra low power yet fully
digitally synthesised

Multiple levels of protection

Time stamped records

Individual vehicles reported

Volume, Speed, Class/Length

MetroCount

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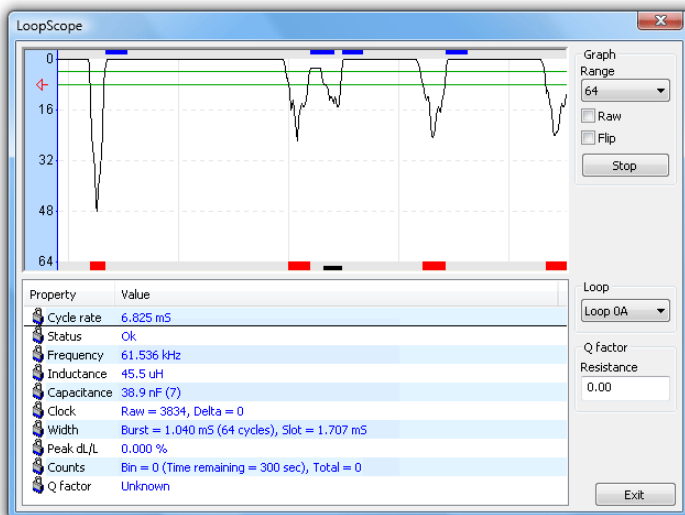
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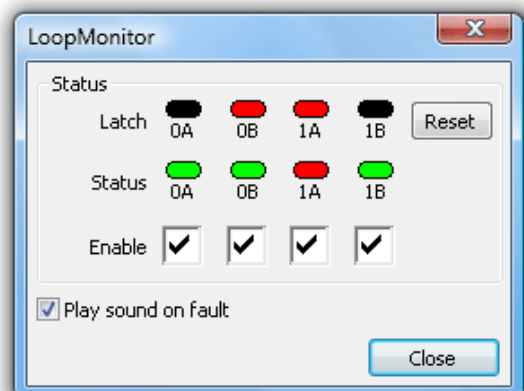
MC5810 Technical Specification	
Parameter	Specification
Operating Temperature Range	-10C to 60C, 14 to 140°F
Operating Voltage	6 – 12 volts. Protected to 40V and supply reversal
Operating Current	Less than 4 mA
Idle Current	Less than 150µA ???
Power Consumption	<10mW (4 loops)
Supplied Internal Battery	Pack of 4 D-cells, alkaline
Operating Life	180 days continuous use, or 5 years as backup for external
Loop Inductance Range	50 - 500µH (120-130µH optimum)
Loop Oscillator Range	45 - 65kHz
Inputs	4 Loops (2 x Dual Loops) Note: Up to 16 Lanes are combined by software
Lanes/Channels	2 Channels or Lanes
Storage	Time stamped records, typically storing up to 500,000 individual vehicles
Total Memory	4 MByte Flash Memory. Split if both channels are active)
Time-stamp Resolution	Less than five millisecond
Maximum Defer Time	Ten days in Time Stamp Mode, disabled in Bin Mode
Impedance Accuracy	+/-10%
Reference	All inputs share a single common point
ESD Immunity	CE 8KV transient
Maximum Input	300V continuous

Built-in loop monitoring of inductance changes and full diagnostic tools

LoopScope™



Loop Monitor



www.metrocount.com