MetroCount®
traffic data specialists

Signature Type Reference

MTE User Manual

4.03

MetroCount

Australia
15 O'Connor Close
North Coogee WA 6163
Ph: 08 9430 6164
Fax: 08 9430 6187
Email: sales@metrocount.com

United Kingdom
Unit 15, Oliver Business Park
Oliver Road
Park Royal, London NW10 7JB
Ph: 020 8782 8999
Fax: 020 8782 8737
Email: uksales@metrocount.com

United States
11820 West Market Place, Suite M
Fulton MD 20759
Ph: 800 576 5692
Fax: 301 490 3521
Email: usasales@metrocount.com

www.metrocount.com

Signature Type Reference

Classification

Tables

Report Name	Base	Regular	Plus	Phase	Description
User Defined Vehicle Reports					
Custom List Report			✓	✓	Custom built reports.
Formatted Vehicle Reports					
Weekly Vehicle Counts	✓	✓	✓	✓	Table of hourly vehicle counts, peaks and averages. One week per page.
Weekly Vehicle Counts (Virtual Week)			✓	✓	Table of hourly vehicle counts, peaks and averages. Compressed into one week.
Vehicle Counts	✓	✓	✓	✓	Report optimized for vehicle counts.
Vehicle Counts (Virtual Day)			✓	✓	Report optimized for vehicle counts. Compressed into one day.
Daily Classes		✓	✓	✓	Class volumes and percentages of daily and weekly flow.
Daily Classes by Direction		✓	✓	✓	Class volumes and percentages by direction.
Daily Classes (Estimated Mass)			✓	✓	Class volumes and percentages of daily and weekly flow with estimated masses
Class Speed Matrix		✓	✓	✓	Table showing speed versus class, with totals.
Speed Separation Matrix			✓	✓	Table showing speed versus vehicle separation, with totals.
Rolling Day Totals			✓	✓	Daily volume and speed summary in rolling format.
Individual Vehicles			✓	✓	List of each vehicle showing time, speed, class, wheelbase, headway, axles, groups and wheel picture
Queued Vehicles			✓	✓	List queues showing lead and trailing vehicles
Speed Statistics			✓	✓	Report showing speed statistics by bin
Speed Statistics by Hour			✓	✓	Report showing speed statistics by hour
Separation Statistics			✓	✓	Report showing separation statistics by bin
Separation Statistics by Hour			✓	✓	Report showing separation statistics by hour
Adjusted Vehicle Flow			✓	✓	Report showing AADT and ADT.
Data Scan			✓	✓	Data scan with result status
Phase Reports					
Custom List Report				✓	Custom built phase reports.
Data Phase Report				✓	Individual vehicles ordered by phase, with speed statistics.
Phase Statistics				✓	Phase timing statistics.

Charts

Report Name	Base	Regular	Plus	Phase	Description
Vehicle Data Verification Charts					
Spectrum of Axle Hits			✓	✓	Chart showing logarithm of sensor hit times.
Correlation of Axle Hits			✓	✓	Chart showing vehicle correlation between sensors.
Audit of Data Quality			✓	✓	Chart showing sensor balance and axle hit quality.
Axle Position Histogram			✓	✓	Axle distribution within vehicles.
Environmental Test			✓	✓	Special report

Report Name	Base	Regular	Plus	Phase	Description
Time Based Vehicle Plots					
Vehicle Flow	✓	✓	✓	✓	Plot of integrated vehicle flow versus time.
Velocity Dispersion			✓	✓	Plot of velocity dispersion with time.
Speed			✓	✓	Plot of mean speed with min/max limits.
Flow Stacked by Class			✓	✓	Plot of flow segregated by class.
Flow Stacked by Speed Bins			✓	✓	Plot of flow segregated by speed bins.
Flow Clustered by Class			✓	✓	Plot of flow segregated by class.
Flow Clustered by Speed Bins			✓	✓	Plot of flow segregated by speed bins.
Separation			✓	✓	Plot of vehicle separation.
Lane Occupancy			✓	✓	Plot showing lane occupancy and capacity.
Dispersion Plots					
Speed vs Separation			✓	✓	Plot of speed vs vehicle separation.
Volume vs Speed			✓	✓	Plot of traffic volume vs speed
Density vs Speed			✓	✓	Plot of traffic density vs speed
Density vs Volume			✓	✓	Plot of traffic density vs volume
Binned Charts					
Class Bin Chart			✓	✓	Interactive chart showing class bins.
Speed Bin Chart			✓	✓	Interactive chart showing speed bins.
Vehicle Statistics					
Speed Histogram			✓	✓	Speed distribution and summary showing closest normal distribution.
Notional Speed Limit			✓	✓	Shows changing speed limit.
Wheelbase Histogram			✓	✓	Vehicle wheelbase distribution.
Separation Histogram			✓	✓	Vehicle separation distribution.
Phase Charts					
Phase Spectrum				✓	Chart showing distribution of phase times.
Phase Flow				✓	Chart showing phase-flow distribution.
Phase Speed				✓	Chart showing phase-speed distribution.
Phase Future Position				✓	Chart showing estimated future position.
Phase Queue				✓	Chart showing phase queueing.
Phase Delay				✓	Chart showing phase delay.
Phase Cycle				✓	Time series showing phase-cycle length.

Special

Report Name	Base	Regular	Plus	Phase	Description
Standard Vehicle Formats					
Florida SPS Class		✓	✓	✓	Florida DOT Survey Processing Software, class format
Florida SPS Vehicle Volume	✓	✓	✓	✓	Florida DOT Survey Processing Software, volume format
Florida SPS Vehicle Speed		✓	✓	✓	Florida DOT Survey Processing Software, speed format
PRN Class Format		✓	✓	✓	PRN file class counts.
PRN Directional Volume		✓	✓	✓	PRN file directional vehicle counts.
PRN Speed Format		✓	✓	✓	PRN file speed counts.
New England TAS			✓	✓	New England TAS.
QDOT 60 Minute Report		✓	✓	✓	QDOT 60 minute format
QDOT 15 Minute Report			✓	✓	QDOT 15 format
FHWA VTRIS Class Report		✓	✓	✓	FHWA VTRIS Class Report
FHWA VTRIS Vehicle Volume		✓	✓	✓	FHWA VTRIS Vehicle Volume Report

Report Name	Base	Regular	Plus	Phase	Description
Report					
TNZ Class Report		✓	✓	✓	Tranzit New Zealand class report.
MRWA Vehicle Report			✓	✓	MRWA Vehicle report.
FIME 1 3			✓	✓	Fime Reports
FIME 2 4		✓	✓	✓	Fime Reports
Exotics					
Speed Bin Totals		✓	✓	✓	Speed bin totals in 15 minute steps.
Class Bin Totals		✓	✓	✓	Class bin totals in 15 minute steps.
TAMS Vehicle Count Report		✓	✓	✓	TAMS Vehicle Count Report
GR Formats					
GR00 Vehicle Count Report		✓	✓	✓	GR00 Vehicle count report type
GR60 Speed Report		✓	✓	✓	GR60 speed report type
GR66 Class Report		✓	✓	✓	GR66 class report type
GR69 Speed/Class Report		✓	✓	✓	GR69 Speed and Class report type
NYSDOT Subsystem					
NYSDOT Reports		✓	✓	✓	A variety of special format reports for NYSDOT

Event Count

Tables

Report Name	Base	Regular	Plus	Phase	Description
User Defined Event Reports					
Event List Report			✓	✓	Text list report of events (useful for export to other programs).
Formatted Event Count Reports					
Weekly Event Counts	✓	✓	✓	✓	Table of hourly event counts, peaks and averages. One week per page.
Weekly Event Counts (Virtual Week)		✓	✓	✓	Table of hourly event counts, peaks and averages. Compressed into one week.
Event Counts	✓	✓	✓	✓	Report optimized for short-term count surveys.
Event Counts (Virtual Day)		✓	✓	✓	Report optimized for short-term count surveys. Compressed into one day.
Adjusted Event Flow			✓	✓	Report showing AADT and ADT.

Charts

Report Name	Base	Regular	Plus	Phase	Description
Event Count Verification Charts					
Spectrum of Axle Hits			✓	✓	Chart showing logarithm of hit times.
Piezo Test Report			✓	✓	Piezo statistics chart
Time Based Event Count Plots					
Event Flow	✓	✓	✓	✓	Plot of integrated event volume versus time.

Special

Report Name	Base	Regular	Plus	Phase	Description
Exotics					
Punched Tape	✓	✓	✓	✓	Fischer Porter tape in 15 min bins
Standard Event Count Formats					
Florida SPS Event	✓	✓	✓	✓	Florida DOT Survey Processing Software, event counts.
FHWA VTRIS Event Count Report	✓	✓	✓	✓	FHWA VTRIS Event Count Report
PRN Event Format	✓	✓	✓	✓	PRN File Event counts.
GR00 Event Count Report	✓	✓	✓	✓	GR00 Event Count Report
GR08 Event Count Report	✓	✓	✓	✓	GR08 Event Count Report
GR18 Event Count Report			✓	✓	GR18 Event Count Report
TAMS Event Count Report	✓	✓	✓	✓	TAMS Event Count Report
New England TAS		✓	✓	✓	New England DFL file
TNZ Event Report		✓	✓	✓	Transit New Zealand count report

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