

Technical Bulletin M5722

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Nu-Metrics Nitestar DMI Reference

No. 01000
Nitestar DMI

No. 01001
Nitestar DMI w/RS-232 Interface

No. 01002
Nitestar DMI w/Integrated GPS

Accessories

Stock No.	Description
01023	RS-232 Download Cable for 01001
01030	Vehicle Installation Kit
01081	Metric Transmission Sensor
01082	Proximity Sensor
01084	Target Kit for use with the Proximity Sensor (01082)
01049	GM Extension Cable
01080	Transmission Sensor
01085	Electronic Interface Adapter
01086	Modified Electronic Interface Adapter for Dodge trucks 1998 - current and Ford F-250 trucks 1998 - current
01087	Modified Electronic Interface Adapter for Ford F-150 trucks 1995 - current
01040	Ford Adapter Kit

Tech Support 800-430-5566

If you need more information or would like advice from an experienced professional, call our Technical Support team.

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Our sales department will gladly fax you an order form, update you on pricing, or take your order over the phone.

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Nu-Metrics Nitestar DMI Reference

The most accurate distance measurements from any road vehicle within an accuracy of one foot per mile.

The average survey can be completed simply by using the four large keys on the left side of the instrument. Ideal for measuring highways, school bus routes, telephone pole spacing, gas pipelines, E-911 addressing, cable TV length, postal routes, railway length, field crop length, etc. Features include non-volatile, unlimited internal memory for storing numerous events along with the distance they occur; auto calibration memory for up to 4 vehicles; speed trap function; unlimited event memory for inventory, including event names; special functions for computing material needs (area, volume, tonnage); back-lit keypad and display; and an interval distance display for logging distance between events. A Sensor and a Vehicle Installation Kit are both required for use (sold separately).

Nitestar DMI with RS-232 Interface

Same as the Nitestar DMI, but with RS-232 interface capabilities. Utilizing specially developed programs by Nu-Metrics, it is capable of conducting complete highway inventory surveys when used with a laptop computer. Communications: RS-232 in/out, selectable baud rate (300-9,600).

Nitestar DMI with GPS Package

In addition to distance measuring capabilities, this model also features a fully integrated GPS receiver with a smart antenna to provide quick, accurate acquisition performance. Data can be integrated into the Survey Data Management (SDM®) software which allows for key definition customization. The SDM software features Survey Explorer® with reporting, browsing, and exporting capabilities.

Specifications

Accuracy	±1'
Resolution	1'
Speed	display vehicle speed 0-199 (MPH, Km/h, F/S)
Count	Bi-directional Up/Down
Calibration	automatic, manual, four vehicle memory
Automatic distance conversion	feet, miles, kilometers
Count hold	stops distance count
Display hold	freeze display count with out loss of accumulating distance
Automatic error correction	compensates for sensor error due to vehicle's dynamic motion
Operating temperature	0°C to 70°C
Power	9 to 16 VDC, negative ground 90 ma @ 12 VDC (max)
Case	high heat resistive ABS
Dimensions	7.5" x 2.25" x .88"
Weight	7 oz.

Disclaimer

SS-5 Electronic Interface Adapters (SN-01085) and the Modified Electronic Interface Adapter (SN - 01086 & 01087) are sold with the understanding that they will be installed by a professional installer who has the required expertise and supporting documentation such as Mitchell or Motor electrical service manuals or equivalent. The user who attempts to install or installs an SS-5 adapter, assumes all responsibility for problems caused by incorrect or improper installation.

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Vehicle Sensor Selector

	Model Year	Stock No.	Notes
Ford			
Escort	≤89	01080, 01043	
Escort	90+	01080	Cable Splice
Crown	≤89	01080, 01040, 01046	
Crown	90+	01085	
LTD	≤89	01080, 01040, 01046	
LTD	90+	01085	
Probe	89-90	01081	
Probe	91+	01085	
Sable	≤89	01080, 01043	
Sable V6 3.0L	90+	01080, 01040, 01046	
Sable 4C 3.8L	90+	01080, 01043	
Sable	95+	01085	
Taurus	≤89	01080, 01043	
Taurus V6 3.0L	90+	01080, 01040, 01046	
Taurus 4C			
3,8L	90+	01080, 01043	
Taurus	95+	01085	
Tempo	≤89	01080, 01043	
Tempo V6	90+	01080, 01040, 01046	
Tempo 4C	90+	01080, 01043	
Tempo	95+	01085	
Topaz	≤89	01080, 01043	
Topaz V6	90+	01080, 01040, 01046	
Topaz 4C	90+	01080, 01043	
Topaz	95+	01085	
Thunderbird	≤89	01080, 01040, 01046	
Thunderbird	90+	01085	
Tracer	92+	01080, 01040, 01046	
Aerostar	≤91	01080, 01040, 01046	
Aerostar	92+	01085	
Econoline	≤91	01080, 01040	
Econoline	92+	01085	
Windstar	95+	01085	
Bronco	≤91	01080, 01040	4WD Requires 01046
Bronco	92+	01085	Could Require 01082
Explorer	≤94	01080, 01040	4WD Requires 01046
Explorer	95+	01085	
F-Series	≤91	01080, 01040	4WD Requires 01046
F-Series	92-97	01085, 01086	F-250 Requires 01086
F-Series	98+	01087, 01086	F-250 Requires 01086
Ranger	≤94	01080, 01040	4WD Requires 01046
Ranger	95+	01085	
Chevrolet			
Beretta	ALL	01085	
Camaro	≤89	01080	
Camaro	90+	01085	
Caprice	≤90	01080	
Caprice	91+	01085	
Cavalier	≤90	01080	Keyway
Cavalier	91+	01085	
Celebrity	≤96	01085	Wagons could be Cable-01080
Citation	≤90	01080	
Citation	91+	01085	
Corsica	ALL	01085	
Lumina	ALL	01085	
Nova	86+	01081	
Spectrum	ALL	01081	88 uses 01080, 01043
Luv	ALL	01081	
S10 Truck	≤88	01080	4WD Requires 01049
S10 Truck	89+	01085	

	Model Year	Stock No.	Notes
F.S. Truck	≤87	01080	
F.S. Truck	88+	01085	
S10 Blazer	≤89	01080	4WD Requires 01049
S10 Blazer	90+	01085	89 is Cable, Electronic
F.S. Blazer	≤89	01080	
F.S. Blazer	90+	01085	
Suburban	≤89	01080	
Suburban	90+	01085	
APV	ALL	01085	
Astro	≤89	01080	89 is Cable, Electronic
Astro	90+	01085	
F.S. Van	≤89	01080	
F.S. Van	90+	01085	90 is Cable, Electronic
Chrysler			
Alliance		01080	Cable Splice
Colt	≤93	01081	
Eagle	88+	01085	
Horizon	≤87	01080, 01042	
Horizon	88+	01080	
K-Car	≤86	01080, 01042	
K-Car	87+	01080	
Omni	≤87	01080, 01042	
Omni	88+	01080	
R.W.D. Cars	≤88	01080, 01041, 01047	Rear Wheel Drive
F.W.D. N.L.	≤89	01080	Front Wheel Drive not listed
F.W.D. N.L.	90+	01085	Front Wheel Drive not listed
D-50 Trucks	-97	01081	
F.S. Trucks	≤89	01080	
F.S. Trucks	90-97	01085	
F.S. Trucks	98+	01086	
Dakota	≤89	01080	
Dakota	90+	01085	
Cherokee	≤90	01080	
Cherokee	91-98	01085	
Cherokee	99+	01087	
Caravan	≤87	01080, 01042	
Caravan	88-89	01080	
Caravan	90-98	01085	
Caravan	99+	01087	
F.S. Van	≤89	01080	
F.S. Van	90+	01085	
Voyager	≤87	01080, 01042	
Voyager	88-89	01080	
Voyager	90-98	01085	
Voyager	99+	01087	
Imports			
Honda	≤89	01080	Cable Splice
Honda	90+	01085	
Isuzu	≤90	01081	
Isuzu	91+	01085	
Mazda	≤90	01081	
Mazda	91+	01085	
Nissan	≤90	01081	
Nissan	91+	01085	93 Pick-Up could be 01081
Subaru	ALL	01080	Cable Splice
Toyota	≤91	01081	
Toyota	92+	01085	
Volkswagon	ALL	01080	Cable Splice
Not Listed	ALL	01080	Cable Driven - Cable Splice
Not Listed	ALL	01085	Electronic- Not Cable Driven