

## The Nitestar<sup>®</sup>'s indisputable accuracy can measure distances +/- ONE FOOT over the course of a mile!

The NITESTAR<sup>®</sup> has been designed to make distance measuring as easy as possible. The average survey can be completed simply by using the four large keys on the left side of the instrument. The NITESTAR<sup>®</sup> has embedded programs specially designed for contractors who require material amounts and costs for asphalt, concrete, gravel, sand, etc. - The NITESTAR<sup>®</sup> has non volatile internal memory to store numerous events along with the distance that they occur.

### NITESTAR<sup>®</sup> MODEL NS-50 & NS-60\*

### FEATURES



- Backlighted Keypad and Display
- Miles, Feet, Km Conversion
- Vehicle Speed Display
- Unlimited Vehicle Memory (When Attached To A Laptop)
- Calibration Storage For 4 Vehicles
- Up/Down Count
- Pre-Distance Capability
- Save Money and Time!
- Improve Safety
- Accurate Record Keeping
- Works on ANY Type of Vehicle
- Control Peripheral Equipment
- Interface to Printer, PC or Laptop\*
- RS-232 To PC or Printer Accessories\*

### APPLICATIONS

- Paint Line Length
- Guide Rail Length
- Pole or Sign Spacing
- Cable or Pipeline Length
- Truck, Bus, or Postal routes
- E-911 Address Locating
- Accident Reconstruction
- Roadway & Railway Lengths



*Designed by the company that invented the first Electronic DMI, the NITESTAR<sup>®</sup> will offer the most accurate distance measurements from any road vehicle within an accuracy of one foot per mile!*



## ADDITIONAL PC INTERFACE AND PRINTER SUPPORT

NITESTAR® NS-60 utilizes specially developed programs by Nu-Metrics. With the RS-232 serial option and a laptop computer, it is possible to conduct a complete highway survey and then print directly to a 40 to 80 column serial printer.

## NITESTAR® SPECIFICATIONS

**Power:** 9 to 16 VDC, negative ground 90 ma @ 12 VDC (max)

**Accuracy:** ± 1 Foot Per Mile.

**Resolution:** ± 1 Foot

**Display:** Back lighted liquid crystal panel (3 brightness level adjustments and off), 6-Digit distance (MI, FT, Km), 4-Digit interval distance, 3-Digit speed (MPH, Kmh, F/S). Indicators: Up/Down arrow, AEC, Code, Mark, Count hold, Display hold, Calibrate

**Keypad:** LED back lighted (3 brightness level adjustments and off), 15 key, Touch-Tell silicon rubber

**Speed:** Display vehicle speed 0-199 (MPH, Kmh, F/S)

**Count:** Bi-Directional Up/Down.

**Calibration:** Four vehicle memory.

**Auto Distance**

**Conversion:** Feet, Miles, Kilometers.

**Test Mode:** Complete system check, simulates distance count

**Count Hold:** Stops distance count

**Display Hold:** Freeze display count without loss of accumulating distance

**Pre-Distance:** Capability of starting at a known distance

**Output Pulse** 0-5 VDC (Low Going High)

**(PDI) Type:** High Going Low, Flip Flop  
Output Pulse Activate (Distance)

**(PDI) Setting:** Duration (Distance, Time)

**Speed Trap:** Operation for computing observed vehicle's speed

**Automatic Error Correction:** Compensates for sensor error due to vehicle's dynamic motion

**Material**

**Calculation:** Area, Volume, Tonnage, Cost

**Interval Counts:** Elapsed distance from last mark, \* Begin / End accumulation.

**Memory:** \*Unlimited with laptop computer use only, \*0-99 Event codes, \*20 Plain language events.

**Memory** Non Volatile Type,

**Retention:** >50 year (Lifetime) retention.

**Printer Interface:** Serial, 300-9,600 baud rate. (Selectable)

**Communications:** \*RS-232 in/out, Selectable baud rate (300-600 1,200-2,400-4,800-9,600)

**Input Channel:** (1) 8 bit 0-5 VDC Analog, (1) 0-5 VDC Digital

**Output Channel:** (1) 0-5 VDC Digital

**Case:** High Heat Resistive ABS.

**Dimensions:** 7.5" (190.5mm) x 2.25" (57.15mm) x .88" (22.5mm)

**Weight:** 0.7 oz

**Operating Temperature:** 0C to 70C

**Instrument Warranty:** One year parts and labor.

**Package**

**Consists of:** Instrument, Installation kit, Operating Manual.  
Order Sensor Separately.

\* Model NS-60 Only



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## ASK YOUR DISTRIBUTOR OR CALL FOR MORE INFORMATION ON THESE OTHER EXCITING PRODUCTS AVAILABLE FROM NU-METRICS.

**GROUNDHOG®:** Permanent Traffic Counter  
**PCS:** Permanent Count Stations  
**HI-STAR®:** Portable Traffic Counter  
**RTWIN®:** Road & Traffic Weather Information Network  
**RAMS®:** Remote Alarm Monitoring Systems  
**NITESTAR®:** Distance Measuring Instrument  
**NSD-98:** Speed Display Sign  
**RANGETRACKER®:** No-Passing-Zone Determination

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