The Nitestar’s indisputable accuracy can measure distances +/- ONE FOOT over the course of a mile!

The NITESTAR® 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® has embedded programs specially designed for contractors who require material amounts and costs for asphalt, concrete, gravel, sand, etc. - The NITESTAR® has non volatile internal memory to store numerous events along with the distance that they occur.

NITESTAR® 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® will offer the most accurate distance measurements from any road vehicle within an accuracy of one foot per mile!
NITESTAR® SPECIFICATIONS

Automatic Error: Compensates for sensor error due to vehicle's
correction: 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"
(190.5mm) x .88" (22.5mm)
Weight: 0.7 oz
Operating
Temperature: 0C to 70C
Instrument
Warranty: One year parts and labor.
Package
Order Sensor Separately.

* Model NS-60 Only

Power: 9 to 16 VDC, negative ground 90 ma @ 12 VDC
(max)
Accuracy: ± 1 Foot Per Mile.
Resolution: ± 1 Foot
Display: Back lit liquid crystal panel (3 brightness
level adjustments and off), 6-Digit distance (MI,
FT, Km), 4-Digit interval distance, 3-Digit speed
(MPH, Km/h, 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, Km/h, 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: Capabiliy 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

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

GROUNDOHOG®: 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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