

Indra Model A27 Wind Speed Data Logger

Document 2189B

FEATURES

- Record 16,383 Wind Speed Readings
- Battery Powered
- 1 Second to 12 Hour Averaging Period
- Analyze data using Windows-based Software

The Indra Wind Speed Data Logger is a stand alone system which provides a detailed record of wind speed. Indra can record up to 16,383 readings in it's nonvolatile solid state memory. Stored data will not be lost should the battery become exhausted. The recorded information is transferred to a personal computer or personal data assistant via serial cable for analysis. When linked to a personal computer it will allow monitoring and recording of wind speed in real time. An interface cable & software are required at additional cost to transfer and analyze data from Indra. One cable & software can be used to collect data from multiple recorders. Model numbers for cable and software are as follows:

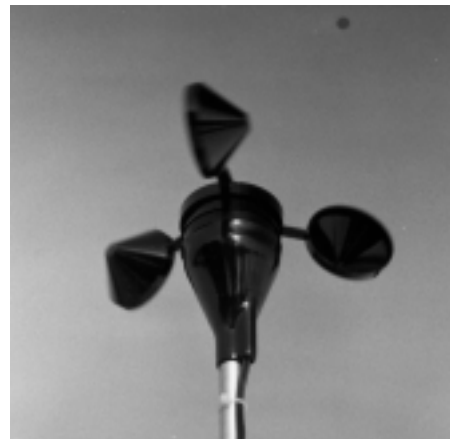
IFC110	PC with Serial RS232 Port
IFC200	PC with USB Port

The system includes:

Indra Data Logger
A75-101 Three Cup Anemometer
60 Foot Cable
Stub Mast
3.6 V Lithium battery
Instruction Manual



Indra Data Logger



A75-101 Anemometer

ISO 9001 Registered

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Indra Wind Speed Data Logger

Model Designation

A27- X - Y

S - Wind Speed

ABS - Enclosure for protected environments

N4PC - Weatherproof Enclosure

DATA LOGGER SPECIFICATIONS:

Operating Power: 3.6V lithium battery
Model LTC-7PN

Input Device: A75-101 Anemometer

Accuracy: Electronics - +/- 23 PPM
Sensors - see separate spec

Resolution: Wind Speed 0.34 mile per hour @
10 second sampling rate

Ambient Temperature : -40 / 60 °C

Sample period : 1 seconds - 12 hours

Dimensions: Data Logger: 1.4" X 2.5" X 0.6"

Weight: Data Logger 1 oz

Connectors: Terminal Block to accept
AWG #12 - 20 cable

Maintenance:
Anemometer - Recalibrate annually & replace every
5 years

Special Requirements:
Model A96 Lightning Protector is recommended for
sensor protection
Wind Tunnel Calibration is available for anemometer

SOFTWARE SPECIFICATIONS:

Multiple Graphs: Simultaneously analyze data from
several data loggers

Graphical Cursor: One click displays readings by
time, value, parameter or sample number

Data Table: Instantly access tabular view for
detailed dates, times, values & annotations.

Scaling Options: Autoscale function fits data to the
screen or allows users to manually enter their own
values.

Formatting Options: Change colors, line styles,
plotting options, show or hide channels.

Statistics: Calculate averages, min, max, standard
deviation with the touch of a button.

Export Data: Export data in a variety of common
formats or switch to Excel with a single click

Logger Configuration: Easy set up & launch of data
loggers with immediate or delayed start, preferred
sample rate and device ID.

Communications: Automatically sets up
communication port, or lets user select configuration,

Communications Cable & Software

IFC110 PC with Serial RS232 Port

IFC200 PC with USB Port

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