

KPC-63 Logger System

w/Wind Speed/Direction Sensor & Rain Gauge

Thanks to its excellent energy-saving properties, the alkaline battery-powered KPC-63 can be used to reliably record wind speed and direction data over an extended time period even where there is no commercial-level power source. The measured data is recorded to internal flash memory, from where it is easily collected via mobile or landline telephone or satellite links. Further, because data is so easily collected, analyzing data and generating daily, monthly, or yearly reports and graphs is easier than ever before. Equipped to reliably operate at temperatures between -20°C and 40°C, the KPC-63 is ideal for a variety of commercial, industrial, and research uses.



LOGGER SYSTEM SPECIFICATIONS

| | |
|----------------------------|---|
| Model | KPC-63 |
| Input | Wind speed/direction, precipitation |
| Accuracy | ±0.1%FS |
| Recording intervals | 1-60 min |
| Memory | Flash memory |
| Output | RS-232C |
| IC card | Compact flash memory card |
| Applicable sensors | Precipitation: tipping bucket rain gauge Wind speed: DC generator Wind direction: potentiometer |
| Display | LCD 16 characters × 2 lines |
| Power source | AA alkaline batteries; external 12 V DC also poss. |
| Usage conditions | -20 to 40°C (non-condensing) |
| Size/weight | Approx. 160 × 180 × 50 mm, 1.3 kg |

WIND SPEED/DIRECTION SENSOR SPECIFICATIONS

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|--------------------------|--|
| Model | W674-P1 propeller-type sensor |
| Measurement range | 2-60 m/s |
| Weatherability | Winds of ≥90 m/s |
| Wind speed sensor | Propeller AC generator (for high-spd. winds) Propeller DC generator (for low-spd. winds) |
| Wind dir. sensor | Potentiometer, serial 5K Ω (for high-spd. winds) Potentiometer, serial 10K Ω (for low-spd. winds) |
| Wind speed output | 0-1V DC at winds of 0-60 m/s |
| Wind dir. output | 0-1V DC at 0-360° |

RAIN GAUGE SPECIFICATIONS

| | |
|--------------------------|--------|
| Model | R1-5 |
| Inlet diameter | 200 mm |
| Single-tip volume | 0.5 mm |

FEATURES

1. Allows for data collection using compact flash card, telecommunications, personal computers, etc.
2. Collected data easily processed in Excel or other spreadsheets
3. Can be powered using standard alkaline batteries
4. No loss of data when changing batteries
5. No loss of data even when batteries die
6. Includes a real-time monitoring feature
7. Wide variety of software available for data collection and processing

KPC-63 Logger System Block Diagram

