

KPC-600 Meteorological Data Logger

The KPC-600 allows a variety of meteorological data—wind speed and direction for gentle breezes or gusting winds, temperature, humidity, precipitation, atmospheric pressure, solar radiation, duration of sunshine, or the like—to be recorded over an extended period by simply connecting data sensors to the KPC-600, which records the data on an internal memory card. Recorded data can be transferred to a personal computer directly, or via the card, a modem, or a mobile telephone. Generating daily or monthly reports and graphs is easy with the KPC-600.



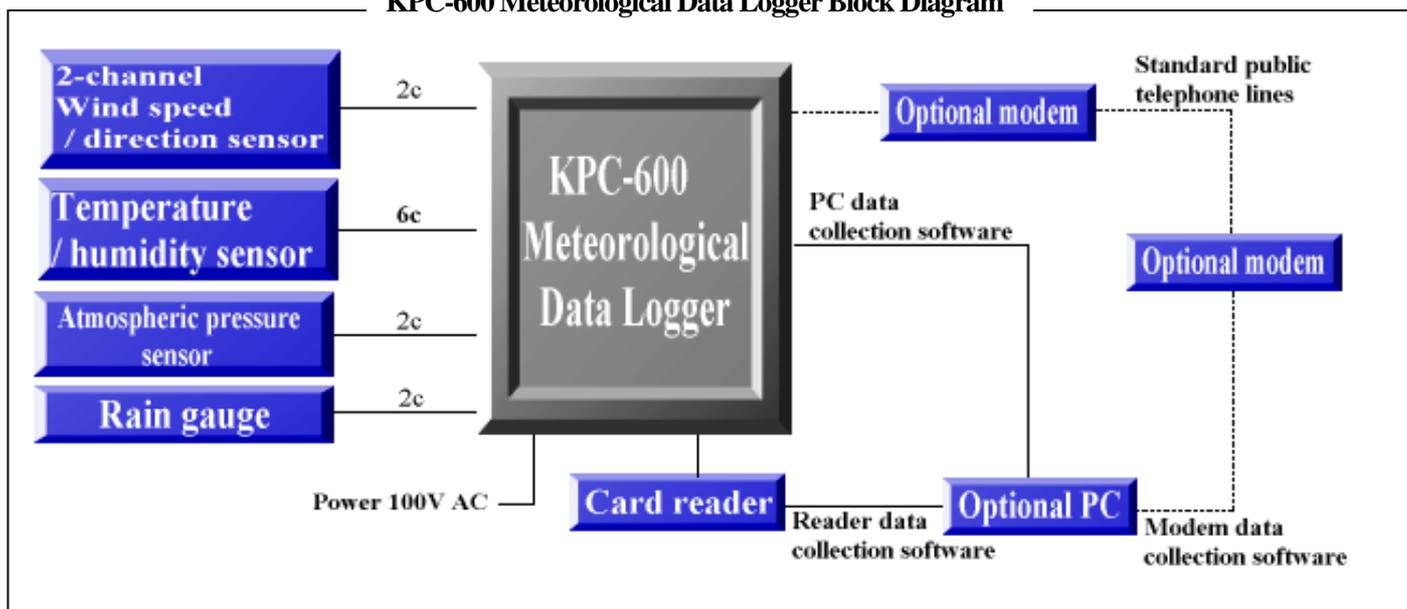
SPECIFICATIONS

Inputs	Up to eight: wind speed/direction, temperature, humidity, precipitation, 0-1 V DC inputs (atmospheric pressure, solar radiation, etc.)
Sampling times	≥0.25 s (adjustable)
Memory card	Flash-type JEID V4.5 ≥ 6 months with 1MB
Processing options	Max., mean, min., startup values, standard deviation available as option for wind speed/direction
LED	Two 20-character lines, menu screen setup, data monitor, clock display
Data records	Recorded to card and memory every 10 min
External output	RS-232C (card content) Analog voltage 0-1 V DC (optional)
Preheat signal	10, 20, 30, or 60 s (adjustable)
Power source	100 V AC ±10%, 50/60 Hz, approx. 45 VA 6-15 V DC, 300 mA
Usage conditions	Temperature: -20 to 40°C Humidity: 20 to 90%
Size/weight	Approx. 200 × 240 × 80 mm, 2 kg

FEATURES

1. Two-channel pulse-input encoder allows wind speed/direction sensor to measure gentle breezes or gusting winds
2. Flash memory prevents data loss
3. Allows recording of data for up to eight elements at 10-minute intervals for six months or more
4. Short, adjustable sampling times, starting at just 0.25 seconds
5. Includes a real-time monitoring function
6. Easy to operate: just insert and remove flash card
7. Internal backup battery allows approximately one hour of measurement even in event of AC power failure
8. Allows for data collection via modem, mobile telephone

KPC-600 Meteorological Data Logger Block Diagram



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