

KPC-500 Meteorological Data Logger

The KPC-500 is a meteorological data recorder designed for use with a battery or other DC power source. A variety of meteorological data can be recorded over an extended period by simply connecting sensors for wind speed and direction, temperature, humidity, precipitation, atmospheric pressure, solar radiation, or the like to the KPC-500, which records the data on an internal memory card. Recorded data can be transferred to a personal computer via the card, a modem, or a mobile telephone. Generating daily or monthly reports and graphs is easy with the KPC-500.



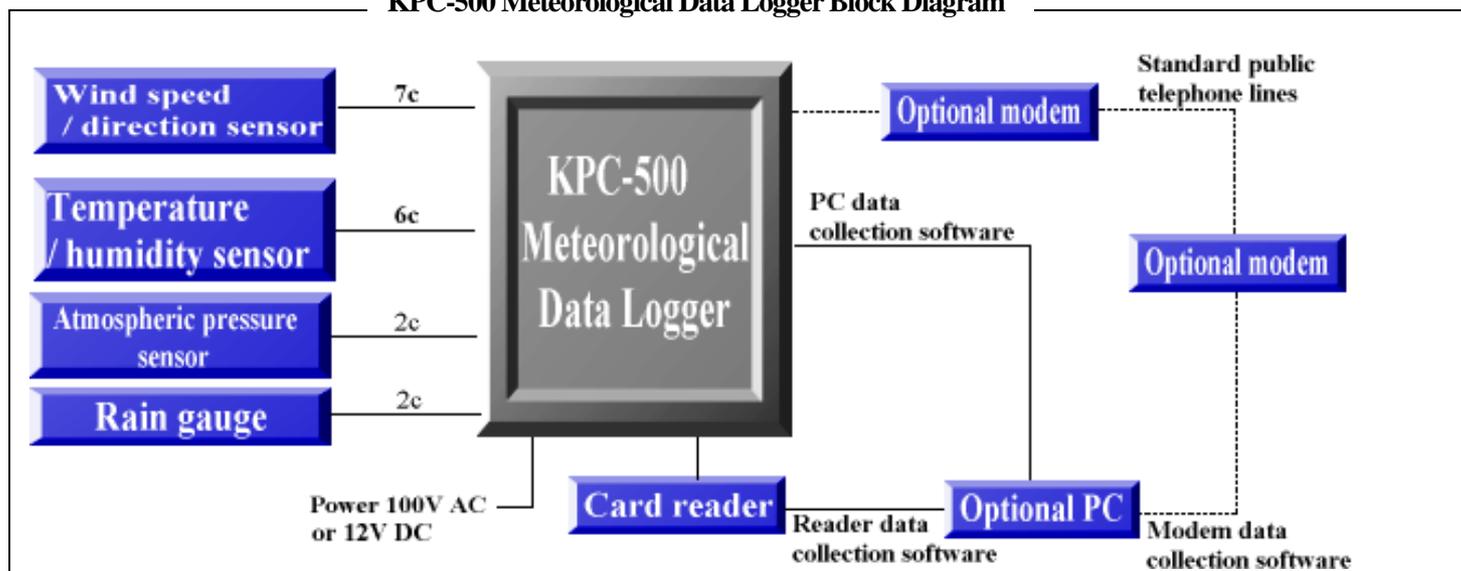
SPECIFICATIONS

Inputs	Up to eight: wind speed/direction, temperature, humidity, precipitation, 0-1 V DC inputs (atmospheric pressure, solar radiation, etc.)
Sampling times	≥0.25 sec. (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	6-15 V DC, 13 mA (sampling)/1 mA (stand-by)
Usage conditions	Temperature: -20 to 40°C Humidity: 20 to 90%
Size/weight	Approx. 150 × 180 × 50 mm, 1.3 kg

FEATURES

1. Low power consumption allows use of battery or dry cell as power source
2. Flash memory prevents data loss
3. Sensor signals directly input without use of a translator
4. Allows recording of data for up to eight elements at 10-minute intervals for six months or more
5. Short sampling times, starting at just 0.25 seconds
6. Includes a real-time monitoring function
7. Easy to operate: just insert and remove flash card
8. Also allows for data collection via modem, mobile telephone
9. Powerful data collection/processing software

KPC-500 Meteorological Data Logger Block Diagram



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