

PREDE



[General]

PRMET-500 is compatible with a variety of sensors and can make highly accurate measurements.

It can be used for a wide range of applications, from cost-sensitive observations to multi-channel observations. The use of a memory card makes it easy to retrieve data.

- 4 to 8ch. Pulse type are selectable
- 2GB memory
- Low power consumption
- Pre-heating, Averaging, and scaling function
- LCD Display
- Various sensor inputs possible

PREDE Co., Ltd.

Head Office: 1117, Kusabana, Akiruno-shi, Tokyo, 197-0802, Japan Research Center: Sasamoto Blg, 1-26-8, Kamidaira, Fussa-shi, Tokyo, 197-0012, Japan TEL+81-42-539-3755 FAX:+81-42-539-3757 URL: <u>http://www.prede.com/</u> E-mail: <u>sales@prede.com</u>

[Data Logger Specification]

±25mV/±20mV/±10mV/ Current (±20mA), Resistance (±100Q/±10kQ), Strain (120Q/350Q Potentiometer (1kQ to 10kQ), Temperature (Pt100, T-type thermody thermistor specified by us), Pulse (1kHz or less) Number of channels Type PFAST-M4 4 PFAST-M8 8 PFAST-M8 8 PFAST-M8 8 PFAST-M8 8 PFAST-M8 8 PFAST-M8 8 Calculation function Max, 20ch (Number of data that can be recorded after performing v Calculation function Between intervals total, maximum, minimum, average, time of occurrent For wind direction and speed: 10-minute average wind speed measurement, vector average wind directions, wind speed standard dev Most frequent wind directions during interval 116 directions) Other functions Pre-heat timer function: Turns on power to sensors that require power before the measurement time, and averages the sampled value as the measur value, *Can be set for each logical channel (settable range: 1 to 1800 second) Scaling function: Set primary conversion formulas for each physical and channel, and convert to physical units, etc. Battery level monitor function: Simple display of remaining battery level battery level monitor function: Simple display of remaining batte	a Logger Specification						
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Measurement Interval 1 to 6,10,12,15,20,30 seconds, 1 to 6,10,12,15,20,30 minutes, 4,6,8,12,24 hours Display function Character LCD 16-digit x 2-line (with backlight) Memory 64MB (flash memory) CF card function CompactFlash card slot (for data recovery) Maximum supported size *Card not included. Interface RS-232C serial interface (38400 bps) Terminal block Screwless (no screw fastening required) Operating Power Supply 1 pack of lithium battery (2CR5) for camera included as standard AC adapter (optional) External power supply 5VDC or 12VDC, 60mA max. (12VCC only for external power							
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operation	sor power supply	5VDC or 12VDC, 60mA max. (12VCC only for external power supply					
	(operation)					
Operating Temperature −25 to +60°C	0						
Dimensions 175 (W) x 250 (D) x 75 (H) mm (Excluding protruding parts)	ensions ⁻	175 (W) x 250 (D) x 75 (H) mm (Excluding protruding parts)					

Although the product is housed in an IP65 waterproof and dustproof case, do not use the product in submerged conditions or underwater as it would cause damages by water ingress.

Specifications are subject to change without notice for product improvement.

Applicable sensors

Ultrasonic anemometer, Temperature & Humidity probe, Pyranometer, UV radiometer, Lux sensor, Rain gauge, Rain sensor, Net radiometers, Albedometer, etc.

Solar panel could be supplied as an option.