

KWR-500 Low-speed Wind Vane/Anemometer

The signal from the KWR-500's low-speed wind speed and direction sensor is converted using a transducer housed in the two-pen recorder, which can be set to make a continuous record of either instantaneous or 10-minute average values. The KWR-500 can also supply an external output (0-1V DC) of either instantaneous or 10-minute average values.



COMPONENTS

- 1 Low-speed wind speed/direction sensor (W632)
- 1 Wind speed/direction recorder (WR 9522-2P)
- 1 Set spare/accessory components

SPECIFICATIONS

Low-speed wind speed/direction sensor (W632)

Speed sensor	Optical pulse-type propeller
Direction sensor	Synchro-type vane
Speed accuracy	0.3 m/s at winds of 10 m/s or less 3% when winds exceed 10 m/s
Direction accuracy	$\pm 3^\circ$
Startup threshold	0.4 m/s or less
Weatherability	Winds ≥ 90 m/s
Size/weight	Approx. 250 × 509 × 700, 3.0 kg

Wind speed/direction recorder (WR 9522-2P)

Model	Two-pen
Input voltage	0 to 10 mV DC
Data recorded	Wind speed: 0-20 m/s, 0-5 mV DC (inst. or avg.) Wind direction: 0-540°, 0-10 mV DC (inst. or avg.)
Paper feed speed	25 mm/h
Chart paper	Effective width 180 mm, folded
Output	Speed: 0-10 m/s, 0-1 V DC (inst. or avg.) Direction: 0-540°, 0-1 V DC (inst. or avg.)
Power	100 V AC $\pm 10\%$ 50/60 Hz
Size/weight	Approx. 288 × 288 × 300, 10 kg



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