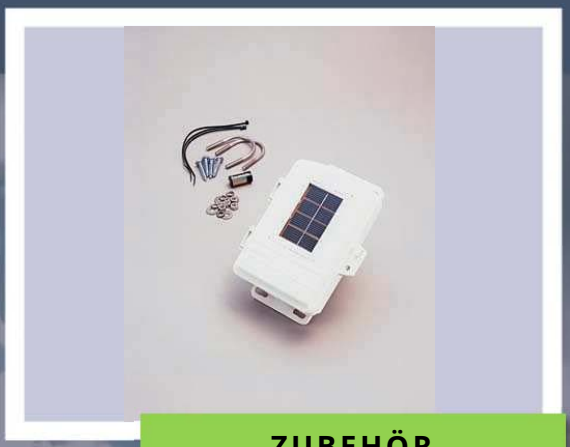
Vantage Pro2 Accessories

long-range repeater



ZUBEHÖR

Vantage Pro2 Accessories

art.no. **7654EU**

long-range wireless repeater (solar-powered)

The solar-powered long-range wireless repeater extends the range between the receiver and transmitter of the Vantage Pro2 station by up to 10 times of the distance of a standard wireless repeater. For the long-range wireless repeater two long-range antennas are required: one for receiving and one for transmitting the data. The range can vary depending on the selected antenna (**Dipole** – in any DAVIS remote weatehr station or in standard repeater - **Omni** – receives and transmitts in all directions - or **Yagi** – receives or transmits from a single direction but has a longer distance range) and the type of use in the network. As backup during power outages, the repeater contains a battery.

scope of delivery:

- solar-powered long-range wireless repeater
- mounting hardware
- CR 123A 3-volt lithium battery

general information	dimensions (L x W x D):	159 mm x 200 mm x 57 mm
	weight:	approx. 0.54 kg
	housing material:	UV-resistant PVC plastic
	permitted operating temperature:	-40°C to +65°C
	current draw:	0.3 mA (with 1 ID)
	power source:	solar power (0.5 Watts)
	batteries :	CR 123A 3-volt lithium battery
	antenna connectors:	TNC female
	repeater transmit interval:	2.5625 - 3.0000 seconds per ID.
wireless communications	transmit/receive frequency:	US models: 902-928 MHz FHSS European models: 868.0-868.6 MHz FHSS.
	ID codes available:	8
	output power:	US models: less than 8 mW, no license required (FCC-certified) European models: less than 8 mW, no license required (CE-certified)
	range:	depending on combination (p.r.t. table below)

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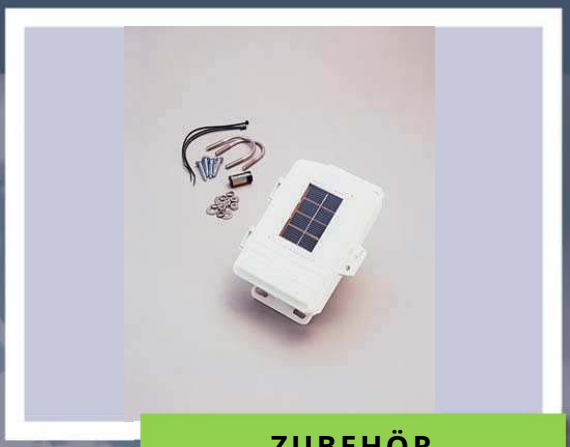

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Repeater Distances		
antennna combination	**multiplier**	**max. distance ranges (under optimum conditions)**
Dipole – Dipole	1.00	300 m
Dipole – Omni	1.58	475 m
Dipole – Yagi	3.16	950 m
Omni – Omni	2.50	750 m
Omni – Yagi	5.00	1,500 m
Yagi – Yagi	10.00	3,000 m

Remark: national law might have to be observed!

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