



MODEL 50386P

Packaged Repeater

General Description

The HydroLynx Model 50386P Packaged Repeater is used to relay data from remote sites to a central site where line-of-site radio paths do not exist. The complete package includes a weather proof housing for the Model 50386RP Data Repeater, a high gain omni antenna with mast, and a solar panel. The Model 50386P is designed for fast efficient installation, with minimum environmental impact, at repeater sites where no other structures or towers are available.

A 3.0 Amp solar panel is supplied as standard. This size requires a minimum of only one sun hour per day to keep the repeater battery charged. The battery is sufficient to operate the repeater for 20 days during periods of no sun. Additional batteries can be supplied for longer periods of eligible sun.

The repeater battery voltage can be transmitted to the base station on a timed interval or when a change threshold is met. Sensor input packages add sensor connectors to the 50386 canister for on site data collection and transmission back to the base station.

Specifications

Height	16 ft.
Diameter	12 in.
Weight	80 lbs.
Shipping Weight	90 lbs.

Ordering Information

50386P	Packaged Repeater — includes:
50386RP-SA	Standpipe Assembly:
50386RP-SO	Standpipe
5090SC	Spun Cap
50386P-AM	Antenna Mast Assembly
DB224 or DB408	Antenna (Specify frequency)
50386C	Antenna Cable
50386LR	Lifting Rope
50386RP	Repeater
RTR	Radio Link (Specify radio and frequency)
5031-18	Gel Cell Battery, 18 AH, 12 Vdc
5033-3.0B	Solar Panel, Regulator, Mounting Bracket

50386P-2 — Same as 50386P with 2 RTRs and 2 Antenna Connectors

50386P-54 — Same as 50386P with 5054TS Rain Gauge Top Section

50386P-90 — Same as 50386P with 5050LL-PTD Pressure Transducer

50386P-81 — Same as 50386P with all weather station sensors

Specify transmit and receive radio frequencies.

Options

50386P-D	Access Door for Standpipe	50386-OP6	Internal Power Supply
RPA-T	Power Amplifier, 20 watts	50386-OP7	GOES Radio
5050LA	Lightning Protection	50386-OP8	ScadaLynx Radio
5054SG	Standpipe Ground Kit	50386-OP9	Microwave Interface
5073TBX	50386 Toolbox Software	50386-OP10	GOES Antenna
50386-OP2	10-Pin MS Female Digital Status Connector	50386-OP11	Industrial Dial-up Modem
50386-OP4	6 Serial Port Expansion	Radio Options	
50386-OP5	Internal 2400 Baud Modem	Default	Tx: Maxon 5W with Enclosure; Rx: Ritron 5W without Enclosure
		Supported	Rx: Ritron 30W with Enclosure



Packaged Repeater with two antennas, San Bernardino County, CA

