



## SPECIFICATIONS

Parameter	Specification
Measurement Range	up to 40,000 ft
Resolution	12.5 ft
Accuracy	±20 ft
Cloud Layers	Up to 4, base and depth
Measurement Cycle	Configurable to 30, 60, or 120 second sampling per reporting interval; can be set to 180 seconds when no clouds detected
Operating Temp.	-40°C to +60°C
Storage Temp.	-50°C to +70°C
Relative Humidity	0–100%, condensing
<b>Laser</b>	
LIDAR	InGaAs, pulsed diode
Wavelength	905 ± 10 nm
Pulse Width	50 ns
Collector Type	Si avalanche photodiode, variable gain, temp compensated
Optics	Side-by-side optical channels
Laser Safety	FDA Class I, 21 CFR1040
<b>Power Requirements</b>	
Power Supply	95–240 V AC, 47–64 Hz, 100 W
Power Consumption with Optional Heater/Blower	600 W
Battery Backup	Ceilometer electronics only
<b>Mechanical</b>	
Serial Connector	Conxall® Mini-Con-X® 7280-5SG-300 Field Connector
Enclosure	NEMA 4X stainless steel
Mounting	Single-leg pedestal 2.5" pipe, unistrut mounted

## ORDERING INFORMATION

Part Number	Description
8340-F	110 V AC Ceilometer
8340-G	220 V AC Ceilometer
83396-00	110–120 V AC Heater/Blower
83397-00	200–240 V AC Heater Blower
83395-00	Battery Back-up Kit
M491742-00	Ceilometer Data Cable
M491745-01	50 ft Ceilometer Power Cable
M491762-02	Heater/Blower Data and Power Cable
M491763-01	Service Port Cable
M028181-00	Desiccant
M488318-00	Galvanized Pipe for Mounting Ceilometer

## DIMENSIONS & WEIGHTS

Dimensions (Ceilometer)	9" x 16" x 19" (23 x 41 x 48 cm)
Dimensions (Ceilometer & heater/blower)	16" x 20" x 27" (41 x 51 x 67 cm)
Ceilometer Weight	43 lb (19.5 kg)
Heater/Blower Weight	18 lb (8 kg)
Dimensions	26" x 24" x 15" (67 x 61 x 38 cm)
Shipping Weight	60 lb (27.3 kg)



All Weather Inc.

www.allweatherinc.com

Phone: 916-928-1000  
USA Toll Free: 800-824-5873  
Fax: 916-928-1165

Rev. C 05/2019