

iROX PRO-X2

Complete weather station
with solar powered
anemometer. Stores 3300
data sets for download.



www.irox.co.nz



Clock

- date and day (selectable in 6 different languages)
- single and weekday crescendo alarm with snooze function
- programmable snooze function (1 - 15 mins)
- alarm advance by temperatures under 0°C



Sunrise & Sunset

- daily sunrise and sunset times for 133 pre-programmed world cities or manual programming via longitude and latitude degrees, DST & zone time offset
- simultaneous display of the sunrise and sunset times
- display of the sunrise and sunset times for the following day after 12.00pm



Moon Phase

- display of the actual moon phase with symbols
- preview and review for (+ -) 39 days

Specifications

- depiction: 12 different symbols
- programmed time period: 2000 - 2099



Barometer

- weather forecast with symbols; sunny, overcast, cloudy, light rain, heavy rain, snow or storm (storm display can be turned on or off)
- current atmospheric pressure with trend display and graphical or numerical histogram (24hrs)
- atmospheric pressure at sea level adjustable
- atmospheric pressure displayed in hPa, inHG or mmHg (selectable)

Specifications

- atmospheric pressure measurement range: 500 hPa – 1100 hPa (14.75 inHg – 32.44 inHG or 375.5 mmHg – 823.8 mmHG)
- resolution: 0.1 hPa (0.003 inHg or 0.08 mmHg)
- accuracy: +/- 5 hPa (+/- 0.015 inHg or +/- 0.38 mmHg)
- altitude setting: -200 m bis +5000 m (-657 ft bis 16404 ft)
- measurement cycle: every 20 minutes



Thermometer/Hygrometer

- indoor temperature/humidity and wireless reception of the outdoor temperature/humidity via remote sensor (1 sensor is included and up to 5 sensors can be used)
- indoor/outdoor dew point temperature
- temperature/humidity memory indoor & outdoor (min/max) and trend display of the indoor and outdoor temperature/humidity
- adjustable temperature alarm for the outdoor temperature
- Channel-scan: alternating display of the external temperature from channels 1, 2, 3, 4 and 5.
- comfort zone display (WET, DRY and COMFORT)
- display in °C or °F (selectable)
- empty battery indicator for the Thermo/Hygro remote sensor

Specifications

- indoor temperature measurement range: -9.9°C - 60°C (14.2°F -140°F)
- indoor humidity measurement range: 0% - 99% relative humidity
- outdoor temperature measurement range: -40°C - 80°C (-40°F -176°F)
- outdoor humidity measurement range 0% - 99% relative humidity
- humidity resolution: 1% (relative humidity)
- temperature resolution: 0.1°C (0.2°F)
- temperature accuracy: +/- 1°C (+/- 2°F)
- humidity accuracy: +/- 5% (relative humidity)
- indoor temperature/humidity measurement cycle: every 10 seconds
- outdoor temperature/humidity measurement cycle: approx. every 47 seconds

Remote Sensor Thermo/Hygro

- 1 included (maximum of 5 can be used)
- weatherproof casing with LED indicator
- 5 selectable channels
- table or wall mount
- transmission range up to max. 30m in an open area
- batteries (2 x AA 1.5V) included
- dimensions: 110 x 60 x 26mm



USB connection to PC



Weatherforecast with 7 symbols



Air pressure



Wireless outdoor thermometer, 5 channels



Wireless outdoor hygrometer, 5 channels



Wireless rain sensor



Wireless wind sensor



Indoor thermometer



Indoor hygrometer



Comfort zone



C° / F° selectable



Clock with calendar



Crescendo alarm



Snooze



Sunrise and sunset



Moon phase



Backlight, can be activated permanently



Table or wall mount



Batteries and power adapter included



Dimensions (WxHxD):
220 x 162 x 32mm





Rain

- wireless reception of the rain gauge data (1 sensor included)
- display of the total amount of rain for the past 24 hours, day, week and month
- display of the current rain rate
- adjustable rain alarm when a preset rain amount is exceeded
- rain gauge display in mm or inch (selectable)
- empty battery indicator for the rain sensor

Specifications

- rain gauge measuring range (1hr/24hrs): 0.0 mm - 1999.9 mm (0.0 inch - 78.73 inch)
- rain gauge measuring range (1 week/1 month): 0.0 mm - 19999 mm (0.0 inch -787.3 inch)
- rain gauge resolution: 0.1 mm (0.1 inch)
- rain gauge accuracy : +/- 0.8mm (+/- 0.0031 inch)
- rain measuring cycle: every 183 s

Remote Rain Sensor (1 included, 1 max.)

- weatherproof casing
- free standing
- transmission range up to max. 30m in an open area
- batteries (2 x AA 1.5V) included
- dimensions: 169 x 140 x 96 mm



Wind

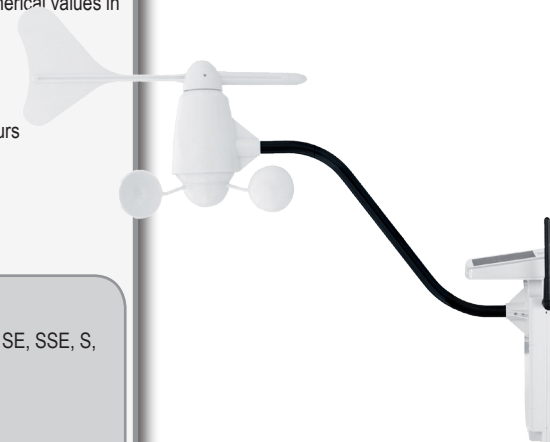
- wireless reception of the wind measurement data (1 sensor included)
- display of the wind direction as a graphical wind rose, compass points or numerical values in degrees
- display of the wind speed and gust peaks in numerical values
- wind speed alarm when a preset wind speed is exceeded
- gust peak alarm when a preset gust peak speed is exceeded
- display of the highest measured wind speed and gust peak for the last 24 hours
- display of the wind-chill temperature (perceived temperature in wind)
- display in °C or °F
- wind speed display in km/h or mph or m/s or knots (selectable)
- empty battery display for remote wind sensor
- solar cells with charge function for the rechargeable battery

Specifications

- wind direction graphical resolution 16 segments (22.5°, wind rose)
- wind direction compass, 16 compass directions: N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, NNW
- wind speed range (0-199km/h)
- wind direction numerical resolution: 22.5°
- wind direction accuracy: +/- 11.25°
- wind-chill temperature measurement range: -40°C - 80°C (-40°F -176°F)
- wind-chill temperature accuracy: 0.1°C (0.2°F)
- wind/gust speed display update cycle: every 33s
- wind/gust peak sampling cycle: every 11s
- transmission interval of all data: every 33s

Remote Wind Sensor (1 included, 1 max.)

- weatherproof casing with wind direction flag and large windmill
- built in thermometer to measure the wind-chill factor
- several mounting possibilities (assembly accessories included)
- transmission range up to 30m in an open area
- batteries (2 x AA 1.5V) included
- dimension wind direction flag: 270 x 110 x 13 mm
- diameter windmill: 155 mm



Software/Data Storage

- inbuilt data storage to record up to 3300 complete weather datasets
- recording interval of the datasets adjustable
- USB 1.1 output for data transference from weather station to PC
- free pc software for analysis of data

Specifications

- recording interval of inbuilt data storage: 5Min., 10Min., 20Min., 30Min., 1Hr., 1.5Hrs., 2Hrs., 3Hrs., 4Hrs., 6Hrs., 24Hrs.
- operating system: Windows 98 or higher

