

X20

TOPCON
Precision Agriculture

WEATHER STATION



Record and report important weather conditions with continuous X20 monitoring

- ULTRASONIC WIND AND TEMPERATURE SENSOR
- RELATIVE HUMIDITY SENSOR
- WATERPROOF ENCLOSURE WITH CANBUS CABLE SYSTEM
- DETAILED MAPS AND REPORTS OF WEATHER CONDITIONS
- USE WITH SPRAY CONTROLLER, AUTO SECTION CONTROL, VARIABLE RATE CONTROL, GUIDANCE, AND PROSTEER FOR A COMPLETE SOLUTION

It's time

The X20 Weather Station incorporates ultrasonic and humidity sensors to track important weather conditions while performing critical farming applications. Solid state sensors means there are no moving parts to maintain.

The Weather Station provides continuous weather information to the X20 console, enabling the operator to monitor important weather data while performing applications such as spraying. With integrated mapping, weather and coverage maps can be logged, printed and stored for important record keeping.

The Weather Station measures apparent wind speed and direction, air temperature, and relative humidity. Using GPS speed and direction from a GPS receiver input, the system calculates true wind speed and direction. Only a GPS controlled weather station can provide you with this information.

Spray When Conditions Are Right

The X20 Guidance software uses the weather station relative humidity and temperature data to calculate actual Delta-T values. Delta-T is interactively displayed in the status bar of the main guidance window, helping to insure that you only spray when the conditions are right for the intended application.

Alarms

Audio alarms for out-of-range weather conditions alert the operator to potential undesirable spraying conditions.

Weather Maps

With the X20 GDV Viewer software, detailed maps and reports of weather conditions by location and date/time can be viewed and printed, or copied onto a thumb-drive to be used by other farm management software.

X20 Guidance automatically logs weather information and saves the data along with guidance coverage maps.

Easy to Use

The X20 Weather Station fully integrates with the X20 software and menu system that worldwide customers have proven to be the easiest in-vehicle system to use.

- Simple to set up and start
- Status bar displays of temperature, relative humidity, delta-t and wind speed.
- Wind direction and vehicle headings are displayed on a compass in the main guidance coverage map area.

Installation Requirements

The X20 Weather Station can be fitted on all X20's with serial number A2010060492 or greater. A special modification is required for earlier models. Contact your Topcon precision ag dealer for more information.

The X20 Weather Station is easy to install and comes complete with an adjustable mounting pole and harness, however we recommend installation by a Topcon trained, authorized installer.



Specifications

Wind Speed	
Range	0.6-115 mph (1-185 kph)
Accuracy	± 2%
Wind Direction	
Accuracy	± 3%
Temperature	
Range	-25° to 55°C (-13° to 131°F)
Accuracy	± 1.0° C
Relative Humidity	
Range	0 - 99% RH
Resolution	1% RH
Accuracy	0-79% ± 3%, 80-99% ± 5%
Weather Station Module	
IP Rating	IP67 - UV stable. Plastic enclosure
Physical - sensor with bracket	
Dimensions	4.25" x 5.0" (108 x 127 mm)
Weight	10 oz. (283.5g)
Physical - with mounting	
Height	24" (610 mm)
Weight	34.2 oz. (970g)



 **TOPCON**
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Specifications subject to change without notice

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