

DigiWx™

AUTOMATED DIGITAL WEATHER SYSTEM

New, fully automated platform offers pilot activation, web-based access to mission critical weather data and enhanced sensor specifications that meet AWOS standards resulting in:

- Improved aircraft flight safety and operational performance
- Cost-effective, automated weather system for multiple aviation applications
- Public access to mission critical weather data via UNICOM, Internet and telephone

DigiWx™

How DigiWx™ Works...

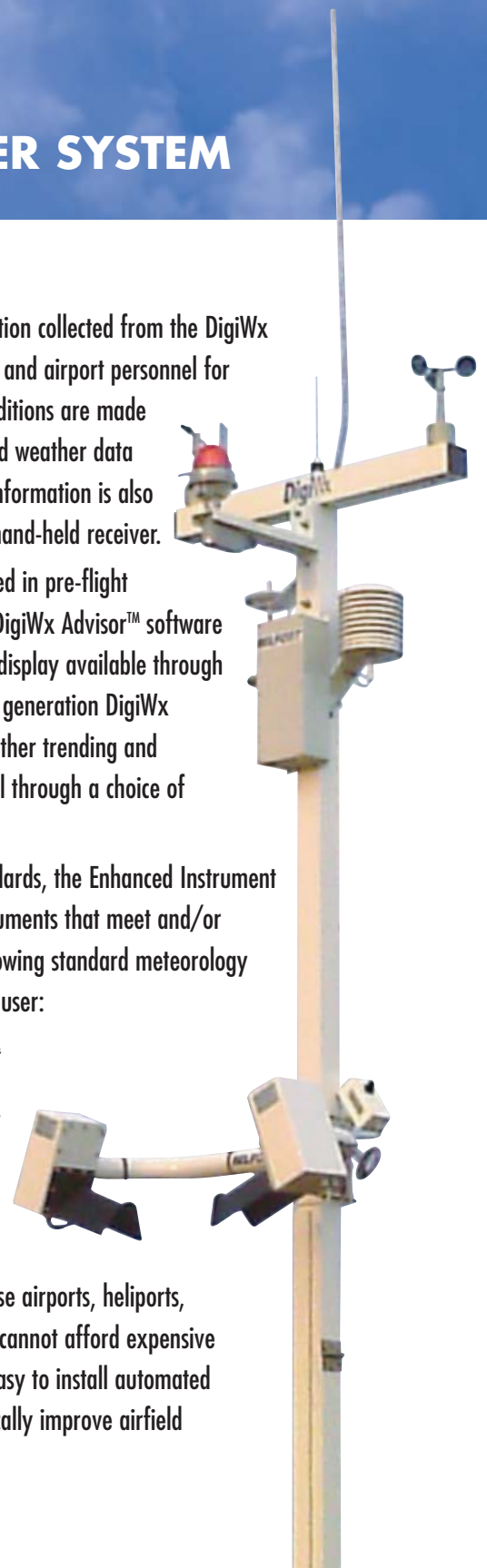
Real-time, mission critical weather information collected from the DigiWx weather station is transmitted to both the pilot and airport personnel for up-to-the-minute flight conditions. Current conditions are made available to the pilot in-flight via pilot activated weather data using existing UNICOM frequencies. Weather information is also available to the pilot in-flight via an optional hand-held receiver.

Airport ground personnel and pilots engaged in pre-flight planning have access to the data via the new DigiWx Advisor™ software program which provides a PC-based graphical display available through the Internet or over the telephone. These next generation DigiWx capabilities can now provide data logging, weather trending and important alerts to pilots and ground personnel through a choice of mediums never before offered.

Designed to meet the highest level of standards, the Enhanced Instrument Package includes aviation grade weather instruments that meet and/or exceed all AWOS accuracy standards. The following standard meteorology parameters are routinely displayed to the end-user:

- Wind direction
- Wind speed/gusts
- Altimeter setting
- Temperature/Dewpoint
- Relative Humidity
- Density altitude
- Condensation altitude
- Headwind component
- Tailwind component
- Crosswind component
- Airport Identifier
- Latitude & Longitude
- Visibility
- Ceilometer (optional)

DigiWx is a one-of-a-kind solution for public-use airports, heliports, seaplane bases and private landing strips that cannot afford expensive government designed systems. This rugged, easy to install automated weather station can be relied upon to dramatically improve airfield operational safety!



THE STANDARD
OF MEASUREMENT

BELFORT INSTRUMENT
www.belfortinstrument.com

DigiWx™

TOWER SPECIFICATIONS

Overall Height:	15 feet (fold-over scissor hinge at 7 feet) Tower height can be increased to 30 feet (optional)
Construction:	3" x 3" treated aluminum painted white Counter balanced tilt-over design
Installation:	Mounts on roof/deck/ground
Normal Range:	10 nautical miles, line of sight transmission
Wind Speed:	Machined metal construction 1 knot increments, 0-130 knots digital output
Wind Direction:	All-metal construction 3" increments, 1° to 360° digital outputs
Temperature:	Aspirated temperature, 1" increments, -40°C to +85°C digital output temperature compensated from 0°C to +55°C
Humidity:	1% increments, 0-100% relative humidity
Altimeter Setting:	Accuracy 0.037 inches, 17.6-32.5 inches of Hg
Power:	110/220-volts AC (50-60 Hz)



NEXT GENERATION FEATURES

DigiWx Voice™

Fully Automated, Activated Weather Information via UNICOM

- Pilot tunes cockpit transceiver to local UNICOM or discrete frequency and activates base DigiWX weather station
- Following activation, DigiWx broadcasts current weather data and any customized advisories for the airfield
- DigiWx broadcasts current weather info ONLY when activated and responds with a digitized voice transmission
- Minimizes frequency congestion while broadcasting critical weather
- Requires no additional on-board equipment in the cockpit since the broadcasts occur on common traffic advisory frequencies



DigiWx Advisor™

Delivers Weather Information via Internet and/or Telephone

- Provides an intuitive graphical interface for displaying current weather data transmitted from the base DigiWx tower
- Displays preferred runway along with the headwind and crosswind components for each runway (2 pairs of runways max)
- Keeps a running 30 day log of every change in the local weather conditions with the capability to playback any given time frame
- Displays weather trends for wind speed, direction, gusts, temperature, dewpoint, relative humidity and barometric pressure
- Alerts ground personnel audibly and visually to significant weather changes through the use of a programmable event manager
- Recorded data can be saved and exported for commercial spreadsheet applications



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