



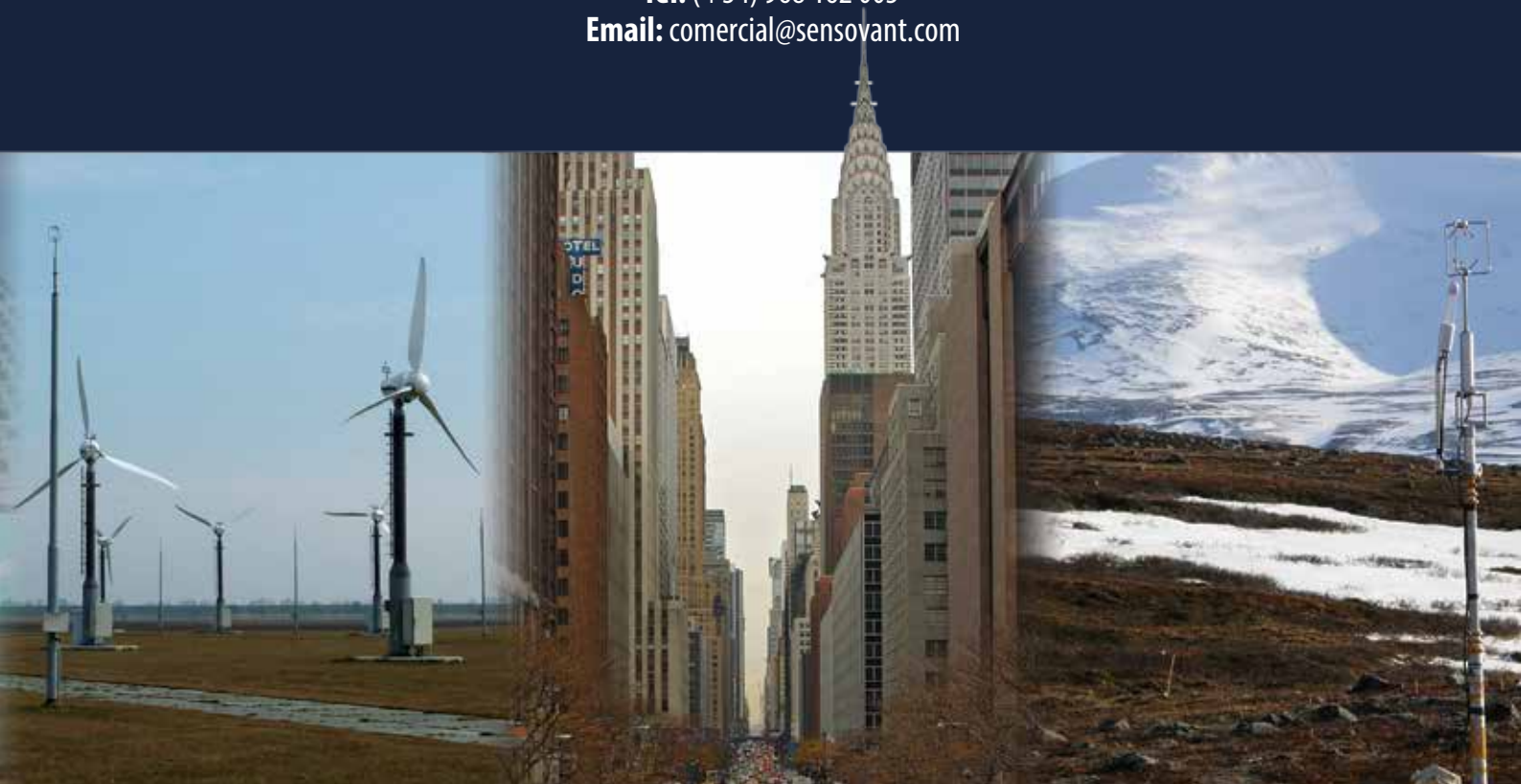
3-Axis Wind Speed & Direction Sensors

SENSOVANT

Avenida Benjamin Franklin
28, Parque Tecnológico de Paterna
46980 - Valencia
ESPAÑA

Tel: (+34) 968 162 005

Email: comercial@sensovant.com



www.sensovant.com

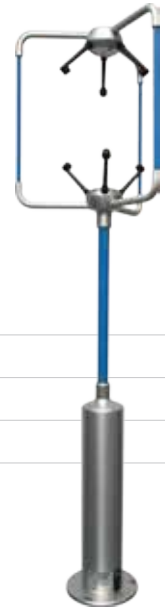
The Gill WindMaster range of 3-axis ultrasonic anemometers provide a range of head configurations (omni-directional or C clamp) constructed in either stainless steel or aluminium/carbon fibre. The customer may select a variety of options including analogue inputs & outputs, data rates up to 32Hz and optional 65m/s measurement range.

WindMaster

The Gill WindMaster is a lightweight, precision 3D anemometer, offering Sonic Temperature, Speed of Sound and U,V & W vector outputs at 20Hz (32Hz option). This 3D anemometer has an aluminium/carbon fibre construction and will monitor wind speeds up to 45m/s.

Wind Speed Range	45m/s (100mph)
Output Rate	20Hz*
Construction	Aluminium and Carbon Fibre
Operational Temp	-40°C to +70°C
Weight	1.0kg (35oz)

*32Hz Option available



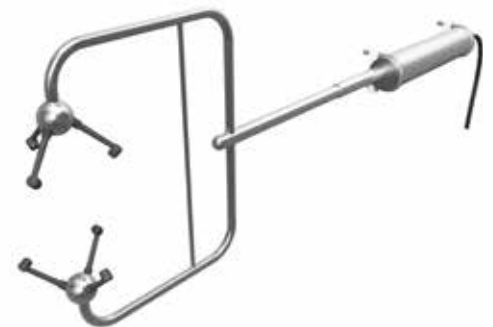
WindMaster **PRO**

The WindMaster Pro uses the same precision, omni-directional 3D measurement technology as the standard WindMaster, with an increased wind measurement range of 0-65m/s (0-145mph), 32Hz output as standard and a robust stainless-steel external construction especially suited for marine applications.

Wind Speed Range	65m/s (145mph)
Output Rate	32Hz
Construction	Stainless Steel
Operational Temp	-40°C to +70°C
Weight	1.7kg (50oz)

WindMaster **HS**

The WindMaster HS provides all of the advantages of the research grade HS measurement head design with the ease and feature set from the Gill WindMaster range. The horizontal head design allows for highly accurate vertical flow analysis with minimal interruption from the anemometer geometry.



Wind Speed Range	45m/s (100mph)	Wind Speed Resolution	0.001 m/s
Output Rate	32Hz	Weight	2.96kg (104.4oz)
Construction	Stainless Steel	Analogue inputs	Optional
Operational Temp	-40°C to +70°C	Analogue outputs	Optional

The Gill Research range of 3-axis ultrasonic anemometers is particularly suited to applications such as fine scale Eddy Covariance or trace gas dispersion analysis studies, as well as no compromise high speed aerodynamic flow pattern work. R3 and HS anemometers are available with 50Hz or 100Hz output rates and will provide U, V, W vector, sonic temperature & speed of sound outputs.



Research *RANGE*

R3 professional 3D ultrasonic anemometers have an omni-directional head design, ideal for Eddy Covariance analysis and the study of turbulent air flows. R3 products will monitor wind speeds up to 45m/s and offer sonic temperature, speed of sound and U, V & W vector outputs, at an output rate of 50Hz for the R3-50 and 100Hz for the R3-100.

R3 50

R3 100

Wind Speed Range	45m/s (100mph)	45m/s (100mph)
Output Rate	50Hz	100Hz
Construction	Aluminium and Carbon Fibre	Aluminium and Carbon Fibre
Operational Temp	-40°C to +60°C	-40°C to +60°C
Weight	1.0kg (35oz)	1.0kg (35oz)

HS *RANGE*

HS professional 3D ultrasonic anemometers have a unique horizontal head design that allows for a more accurate measurement of vertical flows with minimal interruption from the anemometer geometry. Featuring a built-in inclinometer for simple positioning of the instrument on a tower or mast. A separate electronic interface allows easy access to the PRT and 6 analogue inputs.

HS anemometers will monitor wind speeds of 0-45m/s, the HS50 provides a sampling rate of 50Hz and the HS100 provides a faster 100Hz sample rate.



HS 50

HS 100

Wind Speed Range	45m/s (100mph)	45m/s (100mph)
Output Rate	50Hz	100Hz
Construction	Stainless Steel	Stainless Steel
Operational Temp	-40°C to +60°C	-40°C to +60°C
Inclinometer	Included	Included



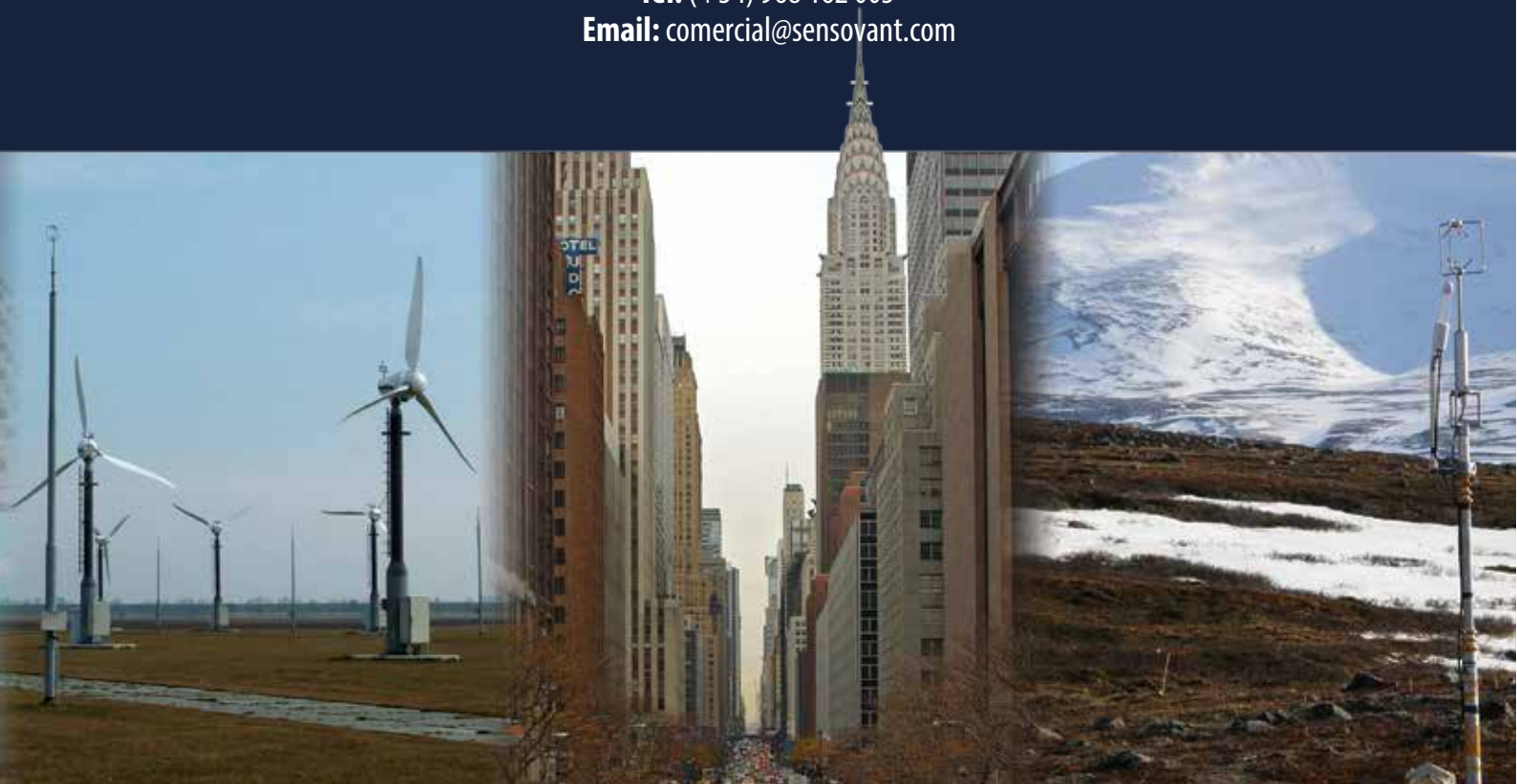
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