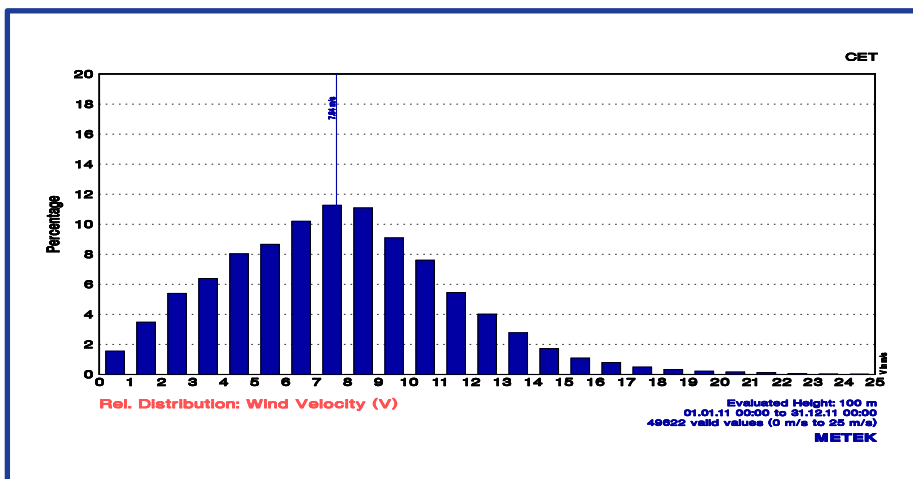


# SODAR PCS.2000-24



- Profile measurements of wind speed and wind direction
- Derivation of turbulence parameters
- Long term unattended operation
- Remote access for easy control
- Simple installation, easy set up
- Complete outdoor version available
- Low power version available



# SODAR PCS.2000-24

## Typical Applications

- Meteorological systems
- Meteorological networks
- Atmospheric dispersion
- Research stations
- Nuclear power plant safety
- Industrial sites
- Airport wind profiling
- Airports
- Marine and offshore platforms
- Wind energy

The SODAR PCS.2000-24 is a small powerful acoustic sounder for wind and turbulence profiles in up to 40 height intervals (> 5 m) within typical height ranges of 15 - 500 m (nominal max. height > 1000 m). The PCS.2000-24 offers easy handling and simple set up, high flexibility in operation and well proven analysing techniques. Powerful software tools are available for system control, automatic data storage and further off-line processing, for remote access by Modem (GSM), for data analysis and professional graphic displays including time series, profiles, contour plots, statistics.

All outdoor antenna components are made from high durable weatherproof and light weight materials. The electronic units are easy to access minimizing efforts for regular inspection or system diagnosis.

For operating the SODAR by independent power supply it is possible to use methanol cell and solar panels. Everything can be integrated in a trailer or in a weather proof box.

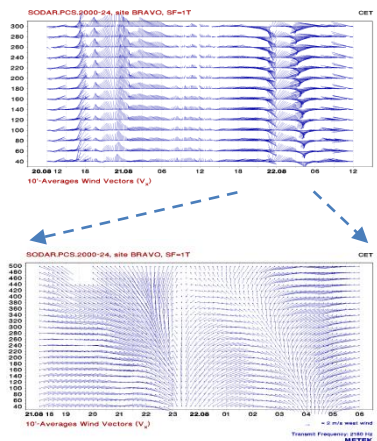


Outdoor unit:  
pc and electronic



SODAR in trailer with  
solar panels

No. of loudspeakers (special arrangements)	24 (2+4+6+6+4+2)
Frequency	1500 ... 2600 Hz
Multi-frequency	available
Horizontal wind components	$\pm 50$ m/s
Wind direction	0 ... 360 degree
Vertical wind speed	$\leq \pm 10$ m/s
Operating temperature	- 30° C to + 55° C outdoor
Number of gates	1 ... 40 adjustable (more on request)
Minimum measuring height	$\geq 15$ m, adjustable
Height resolution	$\geq 5$ m, adjustable
Measuring height	500 m, max. 1000 m
Antenna gain	Typ. 20 dB
Beam width	7 ... 12° (depends on frequency)
Power consumption	Approx. 150 W average
Low Power Version	$\leq 50$ W
Antenna heating (option)	300 W, max, automatically controlled
Size (without enclosure)	0,80 x 0,80 m
Weight (without enclosure)	50 kg



Graphic output

