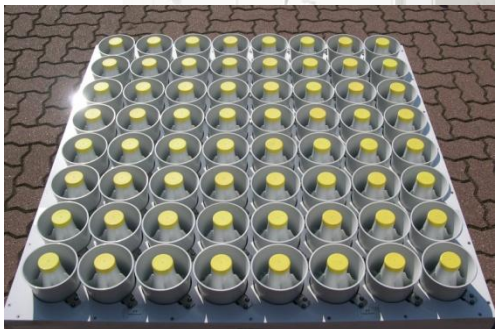


SODAR PCS.2000-64



- Profile measurement of wind speed and direction
- Derivation of turbulence parameters
- Low power version
- Unattended operation
- Remote access
- Simple installation
- Complete outdoor version available
- RASS option for temperature profiling available

SODAR PCS.2000-64

Typical Applications

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

The SODAR PCS.2000-64 is a powerful acoustic sounder for wind and turbulence profiles in up to 40 height intervals (> 10 m) within typical height ranges of 15 - 800 m (nominal max. height > 1000 m). The PCS.2000-64 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.

PCS2000-64 uses a 90 degree phase shift steering antenna array of 64 loudspeaker (max. load 30 W) with exponential horns for perfect impedance matching.

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.

All components from the SODAR system are of the highest quality.

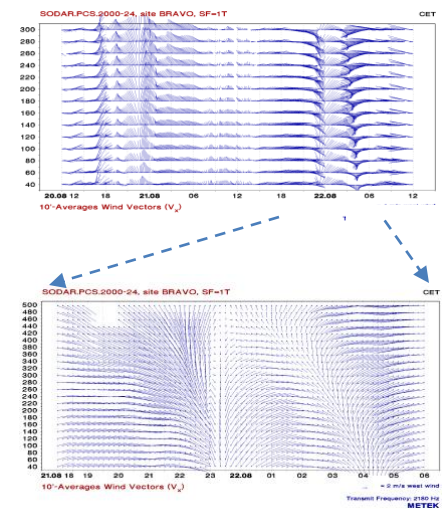
No. of loudspeakers	64
Frequency	1500 ... 2600 Hz 2000 ... 2200 Hz recommended
Multi-frequency	available
Horizontal wind components	+ - 50 m/s
Wind direction	0 ... 360 degree
Vertical wind speed	> +- 10 m/s
Operating temperature	-30° C to +55° C outdoor + 5° C to +45° C indoor
Number of gates	1 – 40 adjustable (more on request)
Minimum measuring height	>- 15 m, adjustable, increment ≥ 5m
Height resolution	Adjustable, 5 m ≤ ΔH ≤ 100m Increments ≥ 5 m, typical 10 – 30 m
Max. Measuring height	Nominal > 1500 m (not available in adverse weather conditions)
Antenna gain	Typ. 20 dB
Beam width	7 – 12° (depends on frequency)
Power consumption	Approx. 150 W average
Size (without enclosure)	1,00 x 1,00 x 2,20 m
Weight (without enclosure)	50 kg



Outdoor unit:
pc and electronic



SODAR in trailer with
solar panels



Graphic output

