

# Koheras ACOUSTIK

Multi channel integration for BASIK ultra low noise lasers

- Multi-channel integration of BASIK
- Controls up to 16 BASIK modules
- Robust industrial design
- Build-in power supply
- Multiplexed single output option



Koheras ACOUSTIK provides rack integration of up to 16 Koheras BASIK single frequency low noise fiber lasers. The ACOUSTIK provides power and control to all modules for easy integration and channels can be added or changed as needed.

This passively cooled system has been designed for multi-channel sensor interrogation systems and is supplied as a stand-alone 19" 3U box including controller electronics and power supply. The individual laser modules are accessible directly from the front panel.

Optionally, the system can be equipped with a single multiplexed output.

For optical specifications please refer to the Koheras BASIK data sheets.

## Specifications

### Mechanical/Electrical

Power supply requirements [VDC]	90-263 VAC, 50-60Hz
Digital interface	USB 2.0
Fast modulation drive voltage	Differential 2x5V with common-mode voltage at 2.5V
Dimensions (HxWxD) [mm]	483 x 128.5 x 302.5 mm (19"- 3U)
Weight [kg]	6.5-8.5

### Environmental

Operating temperature range	15 - 60 °C (module case temperature)
Storage temperature range	-20 - 70 °C
Humidity non condensing	0-70 %RH

All NKT Photonics products are produced under our quality management system certified in accordance with the ISO 9001:2008 standard.



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## Applications

- Seismic sensing
- Sensor interferometry
- Motion and intrusion detection
- Laser vibrometry
- Coherent communication

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