

Koheras ACOUSTIK

Multi-channel integration for BASIK low-noise lasers



POWER AND CONTROL FOR UP TO 16 KOHERAS BASIK LASERS

Ideal for multi-channel sensor interrogation systems

The 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. Channels can be added or changed as needed.

Applications

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

KOHERAS ACOUSTIK

Ideal for multi-channel sensor interrogation systems

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.

Optional single multiplexed output

The system can be equipped with a single multiplexed output.

Easy to control via a graphical user interface

For easy control, the ACOUSTIK and all coupled laser modules can be controlled via our NKTP CONTROL graphical user interface.

SPECIFICATIONS

Mechanical/Electrical/Environmental

Power supply requirements [VDC]	90-263 VAC, 50-60 Hz
Digital interface	USB
Fast modulation drive voltage [V]	Differential 2x5 with common-mode voltage at 2.5
Operation temperature [°C]	15 – 60 (module case temperature)
Storage temperature [°C]	-20 – 60
Dimensions (WxHxL) [mm ³]	483 x 128.5 x 302.5
Weight [kg]	6.5 – 8.5
Humidity non-condensing [% RH]	0 – 70

Optical

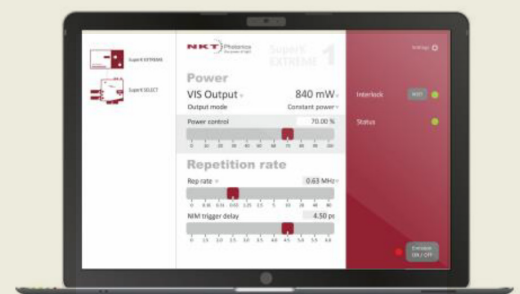
Please refer to the Koheras BASIK data sheet.

All Koheras products are produced under our quality management system certified in accordance with the ISO 9001:2015 standard.



Features

- Multi-channel integration of BASIK
- Controls up to 16 BASIK modules
- Build-in power supply
- Multiplexed single output option
- Simple user operation
- Robust industrial design
- Maintenance-free 24/7 operation



Software

— NKT Photonics CONTROL

Like other NKT Photonics lasers, the Koheras ACOUSTIK can be controlled by our intuitive CONTROL software that gives easy access to all the functions in the laser.

The software automatically detects all units attached to the computer. You can control the source and any filtering accessories from CONTROL. It is easy to use and supports touch input as well as traditional mouse+keyboard control.