

# T100GATOR

## THERMAL MAPPING



*Particularly dedicated for thermal mapping with up to 100 FBGs*

### T100Gator

#### Performance Properties

Number of Optical Channels	5
Sampling Speed	10 kHz
Wavelength Range	1520-1580 nm
Wavelength Stability*	5 pm
Wavelength Repeatability	100 fm   85 nε   10 mK
Dynamic Range	1.2 nm   1000 με   120 K
FBG Sensors per Channel	20
Optical Connectors	FC-APC
Validation FBG, FWHM	150 pm
Validation FBG, Reflectivity	90%
FBG, FWHM range	≤ 150 pm
FBG Reflectivity range**	>10%

#### Data Properties

Interfaces	USB 3.0
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#### Physical Properties

Dimensions [mm]	19"(482)x300x1U(44,5)
Weight	3.500 gr
Operating Temperature	0..+55 °C
Storage Temperature	-40..+85 °C
Input Voltage	230 AC
Power Consumption*	30 W

#### Typical Applications

Typical Application Field	Thermal Mapping
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#### Notes

\* At room temperature

\*\* Firmware adjustable