

ACD 1000 T - dual axis acceleration sensor



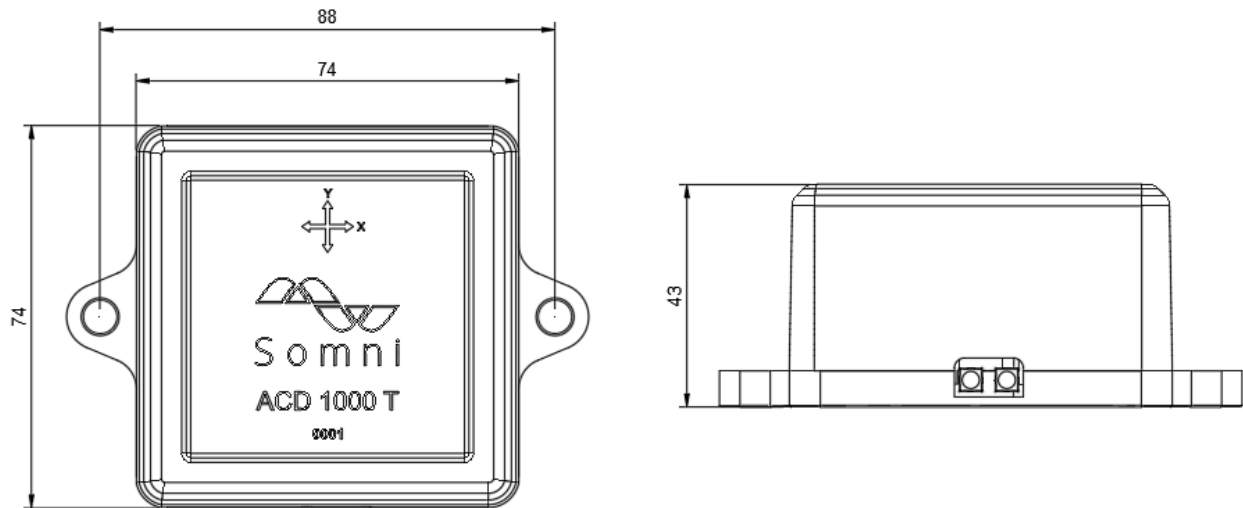
The ACD 1000 T is a highly sensitive dual-axis acceleration sensor. Thanks to its fully insulated housing, this sensor can also be used in applications where electrical isolation is important. In addition, this sensor is intrinsically temperature compensated allowing accurate detection of very low frequencies down to static levels.

Low resonance vibrations are easily and accurately detected. Which makes it an excellent choice for, for example ice growth detection on wind turbine blades.

- Dual axis accelerometer
- Very high sensitivity
- Dual-ended
- Non-metallic housing
- Intrinsically temperature compensated
- Measures down to 0 Hz



Parameter	Performance
Sensitivity	1000 pm/g \pm 100 pm/g
Frequency range	0 - 100 Hz
Resonance frequency	> 200 Hz
Cross axis sensitivity	< -30 dB
Maximum acceleration	\pm 2 g
Maximum shock	\pm 5 g
Weight	600 grams
Material	PC/ABS
Operational temperature range	-40 to +80 °C
Protection	IP 65
FWHM	< 0.5 nm
Reflectivity	> 40 %
Insertion loss	< 0.5 dB
FBGs	4
Connector options	LC/APC inside housing



dimensions in mm

Mounting instructions

It is recommended to fasten the sensor on a flat surface using two M6 bolt as indicated. Maximum torque to apply is 8 Nm.

An interface plate or interface L mount, which can be glued to the surface is available on request.

Note! When the LC/APC connector is inserted, the connector is immediately locked and can only be disconnected using a small flat screwdriver.

Please read the extended mounting instructions manual carefully before mounting the sensor or removing the LC/APC connector.