

Seismometer

The Seismometer K/MT 210 is a flat instrument as big as a palm completely made from titanium.

Its special shape as well as the bottom plate with grooved profile enable a good positioning at the seafloor and optimise the shear wave coupling.

The seismometer can be equipped with up to three geophones / sensors of diverse frequencies each one measuring different seismic movements.

The pressure-proof material titanium allows the seismometer to be deployed up to 6000m water depth.



Technical Data

Frequency range:	from 4.5Hz (normal), 14Hz, 30Hz to some 100Hz
Equipment:	up to 3 sensors / geophones
Damping (open circuit):	0.56 \pm 5%
Sensitivity (open circuit):	28.8V/m/s \pm 5%
Moving mass:	11.1g
Features:	<ul style="list-style-type: none">- free falling instrument, gravity emplaced- high signal / noise ration- low noise even with current- vector fidelity, i.e. measurement independent from waves` direction- optimised coupling- operation up to 6000m depth- light and corrosion resistant through titanium- best adaptation to the seafloor



K.U.M. Umwelt- und Meerestechnik Kiel GmbH

Wischhofstr. 1-3, Geb. 15, 24148 Kiel – Germany
Sitz der Gesellschaft / Registered Office: Kiel
Amtsgericht Kiel / Local Court Kiel, HRB 4773
Steuernummer / Tax No.: 20 291 07200

Geschäftsführer / General Manager: Thomas Kumbier – Uwe Arndt
USt-IdNr. / VAT No.: DE 812362272
Bankverbindung / Bank details: Förde Sparkasse
IBAN: DE39 2105 0170 0012 0028 20 – BIC: NOLADE21KIE