ACOUSTIC RELEASE

54° 19'37.62''N; 10° 10'44.11''E
WHO WE ARE:
• middle-sized company located in Kiel, Northern Germany, working in marine engineering for nearly 30 years
• highly motivated, skilled and sophisticated personnel in development and design as well as in production
• as a competent partner of maritime sciences K.U.M. stands for innovative products of highest quality, professional services and custom-built solutions in marine research
• excellent reputation worldwide
• distinguished manufacturer of first-class titanium products

You want to know more?
To get an overview of our complete product and service range we kindly invite you to visit us at www.kum-kiel.de.
KUMQuat is the name of our Acoustic Release – the world’s smallest and most light-weight titanium Release Unit for deep-sea applications.

Completely made from titanium it guarantees successful operation in up to 6000 m depth. KUMQuat is used in instrument carriers like Landers, OBS-systems or complete moorings and have been sold hundreds of times over the past 10 years. Its function is to separate the ground weight from the research instrument at the sea floor for, so the instrument can ascend to the water surface for retrieval. The opening of the motor driven release hook is activated by receiving signals from a deck unit or by an integrated time release.

At thousands of deployments this Release Unit has been used in our OBS at a recovery rate of better than 99.8%.

FOUR DIFFERENT MODELS AVAILABLE:
- light-weight 250 kg release load or
- heavy-duty 1000 kg release load, both for
- in-line mounting or
- platform mounting

IN ADDITION:
- 6000 m waterdepth, 8000 m optional
- up to 3 years of operation time
- standard alkaline batteries
- redundant power supply
- independent time release
- programming from outside
PRODUCTS (EXTRACT):
- Ocean-Bottom-Seismometer-System
- Large Instrument Carrier “Lander” (Benthic Lander, HiCap-Lander)
- Sediment Trap
- Sediment Corer
- Bottom Water Sampler
- Titanium Pressure Tube and Camera Housing
- Acoustic Releaser
- Data Logger

Our products are subject to a permanent further development.

SERVICES:
- Consultancy
- Training and instruction
- After-sales-service
- Operator on research vessels

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