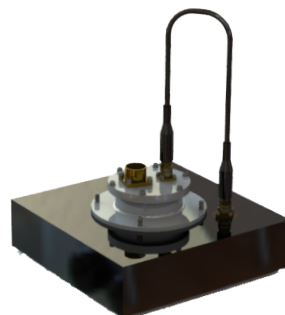


HFA421

RX VLF/LF LOOP ANTENNA FOR SUBMARINES

Loop antenna equipped with Antenna Control Unit (ACU) and power supply. The equipped electronic unit enables amplification of RF signals.



10 - 160 kHz

10kHz

160 kHz

TECHNICAL DATA

Dimensions	390 mm x 390 mm x 205 mm
Weight	31 kg
Sensitivity (Omni)	Better than 0,26 $\mu\text{V/m/Hz}^{1/2}$ – from 10 to 20 kHz Better than 0,14 $\mu\text{V/m/Hz}^{1/2}$ – from 20 to 160 kHz
Sensitivity (Bi-Directional)	Better than 0,20 $\mu\text{V/m/Hz}^{1/2}$ – from 10 to 20 kHz Better than 0,12 $\mu\text{V/m/Hz}^{1/2}$ – from 20 to 160 kHz
Shock	compliant with MIL S 901-D (Lightweight)
EMC/EMI	compliant with MIL-STD-461-E & STANAG 4437 Ed 2

ACU452

ANTENNA CONTROL UNIT



The ACU 452 rack provides the link between the VLF/LF receiver and the HFA 421 antenna.

- 3 outputs : L channel, T channel, Omnidirectional L+T channel
- Equipment in 19" 2U format with power supply module (AL 482) included
- Power supply of loop antenna (HFA 421) : 28 VDC, switched to the loop antenna via a pair of wires
- Input for feeding a measurement signal and measurement output to loop antenna

TECHNICAL DATA

Power	115V / 60Hz or 230V / 60Hz
Connectors	50 ohms on N type connector
Test signal injection input	50 ohms on BNC connector



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