National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ACOUSTIC TEST FACILITY OF NATIONAL INSTITUTE OF OCEAN TECHNOLOGY, PALLIKARANAI, CHENNAI, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-5909 **Page No** 1 of 1

Validity 24/05/2021 to 23/05/2023 **Last Amended on** 24/09/2021

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophone staves, Hydrophone arrays	Impedance (1 kHz to 500 kHz)	ANSI / ASA S1.20-2012
2	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Acoustic source level (1kHz to 100kHz)	ATF-QP-7200-2
3	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Conductance (1 kHz to 500 kHz)	ATF-QP-7200-2
4	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Directivity (1 kHz to100 kHz)	ANSI / ASA S1.20
5	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Electrical Power output (1kHz to 25kHz)	ANSI / ASA S1.20
6	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Phase (1 kHz to 500 kHz)	ATF-QP-7200-2
7	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Receiving Sensitivity - Free field comparison Calibration (1 kHz to 10 kHz)	IEC: 60565: Edition 2.0
8	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Receiving Sensitivity- Free field comparison calibration (>100 kHz to 500 kHz)	IEC: 60565: Edition 2.0
9	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Receiving Sensitivity- Free field comparison calibration (>10kHz to 100 kHz)	IEC: 60565: Edition 2.0
10	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Susceptance (1 kHz to 500 kHz)	ATF-QP-7200-2
11	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Transmitting Voltage Response - Free field comparison calibration (1 kHz to 10 kHz)	IEC: 60565: Edition 2.0
12	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Transmitting Voltage Response - Free field comparison calibration (>10 kHz to 100 kHz)	IEC: 60565: Edition 2.0
13	ELECTRONICS-MISCELLANEOUS PRODUCTS	Underwater Acoustic transducers, Hydrophones, Hydrophones staves, Hydrophones arrays	Transmitting Voltage Response -Free field comparison calibration (>100 kHz to 500 kHz)	IEC: 60565: Edition 2.0