



**SPECIFICATION SHEET
AIRBORNE ULTRASONIC SYSTEM (AUS)**

Ultrasonic Power	200 – 300 W RMS.
Frequency	21 - 26kHz
Maximum acoustic intensity of the transducer focused field	10 W/cm ²
Distance to the focus centre	425mm.
Depth of focus	120mm.
Maximum acoustic intensity of the transducer coherent field	0,06 W/cm ²
Resonance Control System	Multi-loop
Working Modes:	Automatic/Manual.
Controls	<ul style="list-style-type: none"> • Multifunction keyboard 6 keys (option for locking). • Switch on/off controller (back part). • Main voltage selector for the controller (110v-220v). • Switch on/off power amplifier. • Amplifier gain presetting. • Microswitch for amplifier configuration.
Indicators	<ul style="list-style-type: none"> • LCD backlighted multifunction display with parameter view mode. • LED's on amplifier states. (On: Green LED / Signal: Yellow LED / Clip: Red LED).
Communications:	Instruction set for control of variables.
Communication Protocol	RS-232/485.
Communication connections	db-9 null-modem connector.
Length of Transducer Cable	4m
Length of Transducer Link	15m
Working temperature range for the EPG.	From 0°C to 40°C.
Working temperature range for the transducer and Matching Box.	From -20°C to 45°C.
Index of Protection for transducer.	IP67.
Index of Protection for Matching Box.	IP66.
Cleaning in place protocol (CIP)	Applicable to transducer, switched of and at temperature lower than 125°C.
Main voltage requirements	110/230V (amplifier factory settings).
Power requirements	10A(230V)/20A(110V)
Provided connectors:	CEE7/7 for 230v, Nema 5-15 for 110v.
Enclosure	Steel sheet Bench Top Rack with lateral handles.
Dimensions (WxHxD):	
<ul style="list-style-type: none"> • Transducer 	Ø 393mm – 480mm
<ul style="list-style-type: none"> • EPG 	570x310x460 mm (19"x6Ux600mm)
<ul style="list-style-type: none"> • Matching Box 	250x330x170 mm
<ul style="list-style-type: none"> • Shipping box 	800x930x680 mm
Weights:	
<ul style="list-style-type: none"> • Transducer 	8 – 11 kg
<ul style="list-style-type: none"> • EPG 	48 kg
<ul style="list-style-type: none"> • Matching Box 	4,3 kg
<ul style="list-style-type: none"> • Shipping box 	108-115 kg