

Technical Specifications



Control Unit

- ▶ Ultrasound Frequency **f**: $1.5 \pm 5\%$ MHz
- ▶ Modulating Burst Width **t_p**: $200 \pm 10\%$ μ s
- ▶ Repetition Rate **REF**: $1.0 \pm 10\%$ KHz
- ▶ Acoustic Power **P₁**: 116mW
- ▶ Spatial Average - Temporal Average (SATA) **I_e**: $30 \pm 30\%$ mW/cm²
- ▶ Spatial Average - Temporal Maximum (SATM) **I_m**: $116 \pm 30\%$ mW/cm²
- ▶ Power Supply – Lithium Ion Rechargeable Battery: 3.7 DCV nominal
- ▶ Power Input **P_{in}**: 1.1 ± 0.6 W
- ▶ Beam Non-Uniform Ration **R_{BN}**: < 6
- ▶ Waveform: Pulsed
- ▶ Effective Acoustic Radiating Area **A_{er}**: 3.88 cm²
- ▶ Duty Factor **DF**: 5
- ▶ Time Average Intensity: 6
- ▶ Weight (Control Unit including Transducer): approximately 285 g

Liquid Crystal Display

The Liquid Crystal Display (LCD) has the following specification:

- ▶ Display Size: 63.2 mm (W) x 38.5 mm (H)
- ▶ Viewing Area Size: 59.9 mm (W) x 30.5 mm (H)
- ▶ Driving Condition: 1/3 Duty (i.e. 3 Back Planes), 1/3 Bias, 3V Operate
- ▶ LCD Type: TN Type
- ▶ Viewing Angle: 6 O'clock
- ▶ Polarizer Type & Mode: Transflective
- ▶ Connector Type: Pins

Battery Charger

- ▶ Input Voltage: 100 – 240 VAC
- ▶ Input Current: < 0.5 A RMS max
- ▶ Input Frequency: 47 – 63 Hz
- ▶ Output Voltage: 5 V, no load to full load, no minimum load require
- ▶ Output Current: 1.0 A
- ▶ Output Power (Rated): 5 Watts max