

### AirTech Transducer



#### Technical data (Subject to change without notice)

|                        | AirTech 50          | AirTech 75          | AirTech 120         | AirTech 200        | AirTech 225        | AirTech 300       |
|------------------------|---------------------|---------------------|---------------------|--------------------|--------------------|-------------------|
| frequency              | 50kHz<br>+/- 4%     | 75 kHz<br>+/- 4%    | 125kHz<br>+/- 4%    | 200kHz<br>+/- 4%   | 228kHz<br>+/- 4%   | 300 kHz<br>+/- 4% |
| bandwidth              | 5 kHz               | 9 kHz               | 13 kHz              | 21 kHz             | 26 kHz             | 66 kHz            |
| active element -Ø      | 44,5 mm             | 30,0 mm             | 19,0 mm             | 11,1mm             | 9,5 mm             | 7,1 mm            |
| near field length      | 73 mm               | 50 mm               | 32 mm               | 18 mm              | 15 mm              | 12 mm             |
| sound beam-diameter    | 13 mm               | 8 mm                | 5 mm                | 3 mm               | 2,5                | 2 mm              |
| wave length in air     | 6,8 mm              | 4,5 mm              | 2,8 mm              | 1,7mm              | 1,5 mm             | 1,1mm             |
| capacity               | 5700pF<br>+/- 500pF | 1850pF<br>+/- 200pF | 1000pF<br>+/- 200pF | 500pF<br>+/- 100pF | 450pF<br>+/- 100pF | 210pF<br>+/- 75pF |
| max. voltage           | 1500 Vpp            | 1000 Vpp            | 800 Vpp             | 500Vpp             | 500Vpp             | 400Vpp            |
| min. parallel resistor | 450Ω +/- 30%        | 170 Ω +/- 30%       | 420 Ω +/- 30%       | 180 Ω +/- 30%      | 400 Ω +/- 30%      | 3200 Ω +/- 30%    |
| sensitivity            | -33 dB              | - 31 dB             | - 32 dB             | - 33 dB            | -37 dB             | -52 dB            |
| dimensions             |                     |                     |                     |                    |                    |                   |
| diameter ± 0,2 mm      | 64,3 mm             | 45,3 mm             | 30,3 mm             | 25,3 mm            | 25,3 mm            | 25,3 mm           |
| length 1 ± 0,3 mm      | 100 mm              | 90 mm               | 70 mm               | 50 mm              | 50 mm              | 50 mm             |
| length 2 ± 0,2 mm      | 20 mm               | 20 mm               | 20 mm               | 20 mm              | 20 mm              | 20 mm             |
| fixture ± 0,2 mm       | 19 mm               | 19 mm               | 19 mm               | 19 mm              | 19 mm              | 19 mm             |
| working temperature    | -40°C to 90°C       | -40°C to 90°C       | -40°C to 90°C       | -40°C to 90°C      | -40°C to 90°C      | -40°C to 90°C     |