SONOSCALE AS50
Order number: 100010210

Technical Data:

- Operating frequency: 50 kHz ± 4%
- Beam width (-3 dB): 12° ± 2°
- Max. driving voltage at 2% duty cycle tone burst: 1500 V
- Min. transmit sensitivity at optimal transmit frequency: 106 dB re 1 μPa/V at 1 m
- Min. receive sensitivity at optimal receive frequency: -162 dB re 1 V/μPa
- Capacitance (1 kHz): 4700 ± 500 pF
- Weight: 130 g
- Operating temperature: -40 to +90 °C
- Housing: POM
- Acoustic window: filled epoxy

Technical specifications may be changed by SONOTEC without further notice.

Transmit and Receive Voltage Response:

![Graph showing transmit and receive voltage response]

Directivity Pattern:

![Graph showing directivity pattern]

E-Mail: sonotec@sonotec.de
Tel.: +49 (0)345 / 1 33 17-0
Fax: +49 (0)345 / 1 33 17-99

SONOTEC Ultraschallsensorik Halle GmbH
Nauendorfer Straße 2, 06112 Halle an der Saale
www.sonotec.de

Rev. 0, Date: 2010-12-16