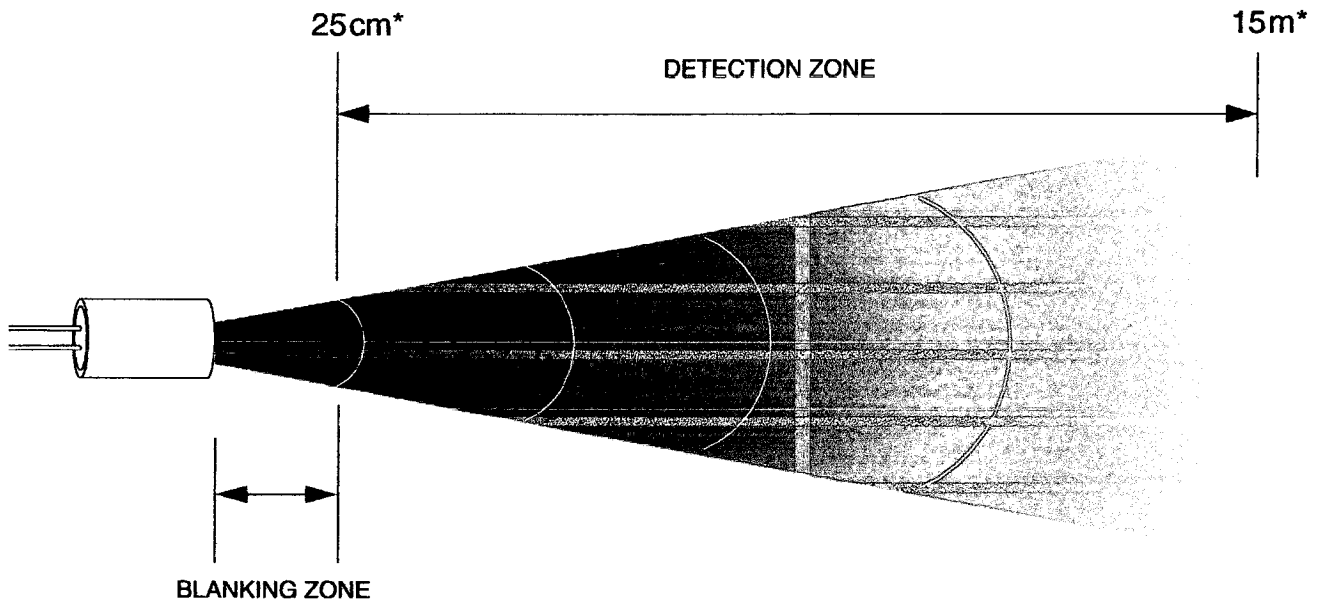
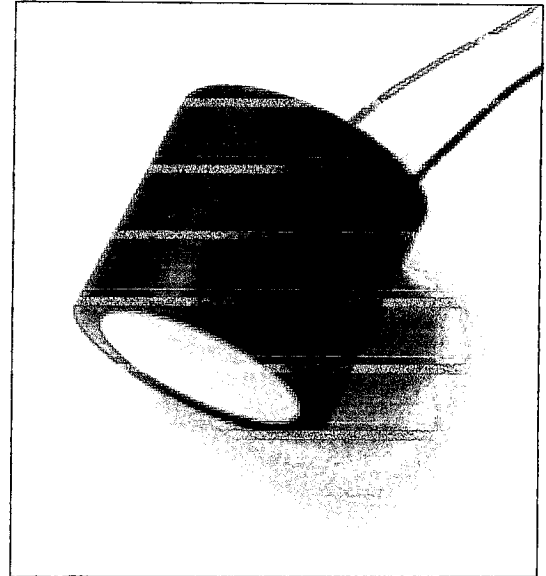


# SC0029

Fully sealed in a durable polyester housing, this sensor combines low cost with high sensitivity. With a detection range of up to 15 meters, it is well suited for a wide variety of long range sensing applications.



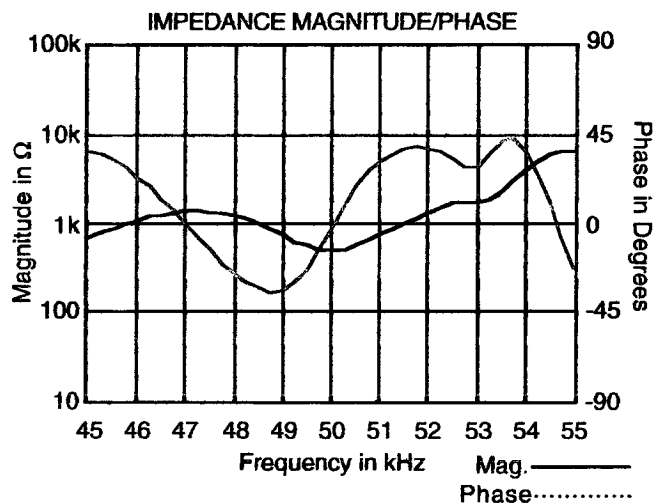
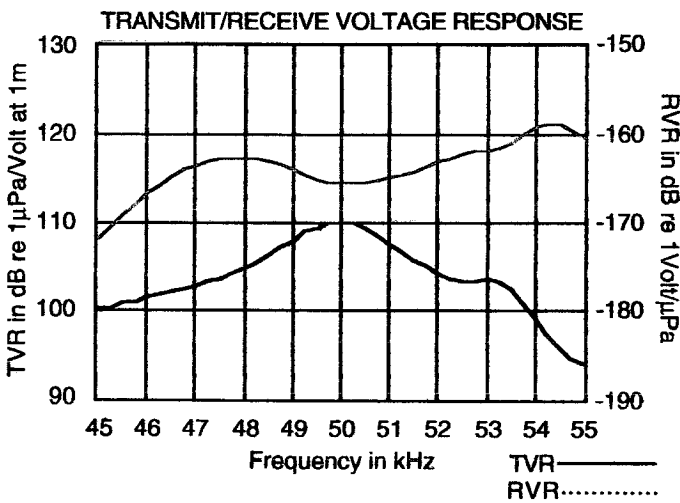
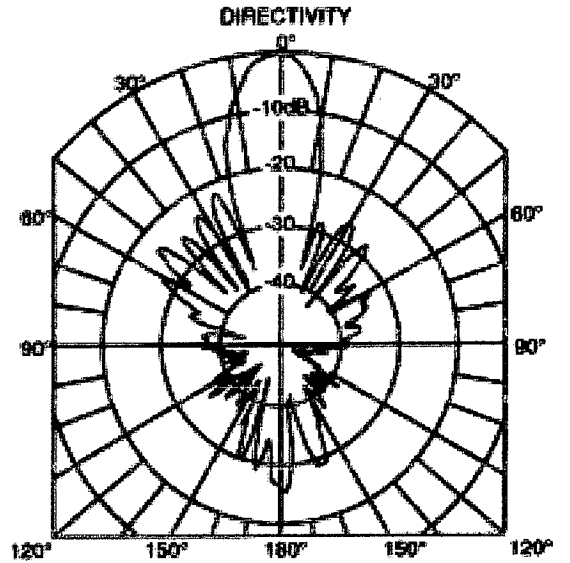
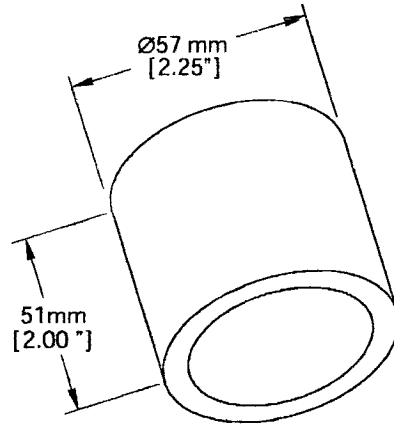
\* Pulse-Echo Mode  
Actual range may vary, depending on drive circuitry and signal processing

**SENSE**  
Technics GmbH

17-204-01 Rev. 03-A

**SPECIFICATIONS**

- Best Operating Frequency: 50kHz +/- 4%
- Min. Transmit Sensitivity: 106dB re 1  $\mu$ Pa/V at 1m at best transmit frequency
- Min. Receive Sensitivity: -162dB re 1V/ $\mu$ Pa at best receive frequency
- Min. Parallel Resistance: 450 $\Omega$  +/- 30%
- Free (1kHz) Capacitance: 5700pF +/- 500pF
- Beamwidth (-3dB full angle): 12° +/- 2°
- Maximum Driving Voltage: 1500V<sub>pp</sub> (2% duty cycle tone burst)
- Operating Temperature: -40°C to 90°C
- Weight: 160 g
- Materials:
  - Housing: Glass filled polyester
  - Acoustic Window: Glass reinforced epoxy
- All specifications typical at 22°C and subject to change without notice.



**SENSE**

Technics GmbH

17-204-01 Rev. 03-A

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