


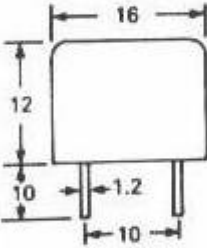

# SANWA

## SCS-401T & SCM-401R Ultrasonic Sensors

High-sensitivity ultrasonic transmitters and receivers are designed for sending and receiving ultrasonic sound through the air in the form of continuous wave or pulses.

### Applications

Burglar Alarm Systems  
Liquid Level Meters  
Anti-collision Devices  
Counters For Moving Objects  
TV Remote Control Systems

Item	SCS-401T	SCM-401R	Specification
Transmitting Sensitivity	106dB	-	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Aluminium Case</b></p>  </div> <div style="text-align: center;"> <p><b>Stainless Steel Mesh</b></p>  </div> </div> <div style="text-align: center; margin-top: 20px;">  </div> <p style="text-align: right; margin-top: 10px;">Unit mm</p>
Receiving Sensitivity	-	65dB	
Resonant Frequency (transmitting)	40ZHz $\pm 1\%$	-	
Resonant Frequency (receiving)	-	40ZHz $\pm 1\%$	
Directional Angle	Approx 30°		
Maximum Input Voltage	20Vrms	-	
Impedance	Apprx 500 $\Omega$	Apprx 30k $\Omega$	
Capacitance	1100pF $\pm 2\%$		
Pulse Rise Time	2.0ms	0.5ms	
Max Input Voltage for Pulse Operation	60Vp.p.	-	
Temperature Range	-20 to +60°C		
Transmitting Selectivity	Approx 70		
Receiving Selectivity		Approx 60	