

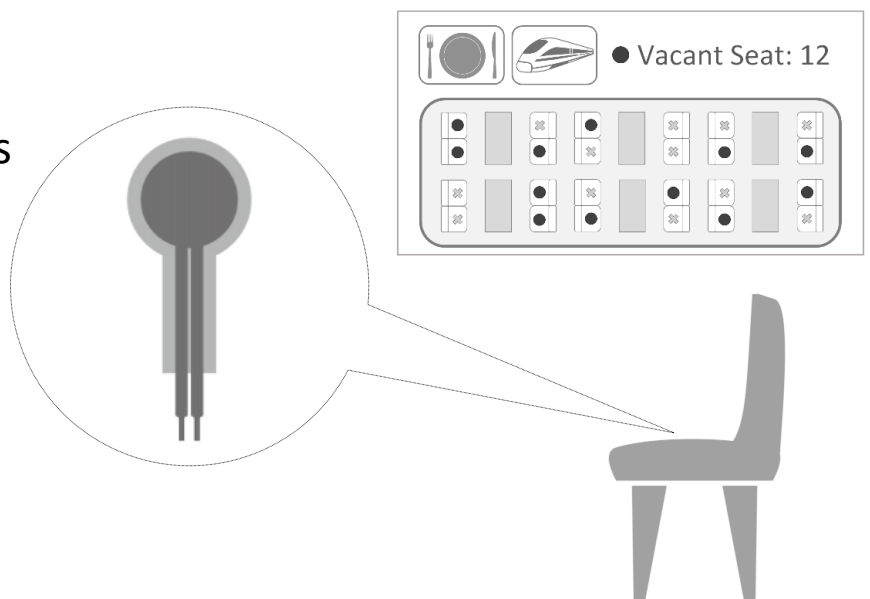
# Force Sensors For Seat Occupancy Monitoring



Thin and flexible, Alpha force-sensing resistors (FSR) can detect the change of applied force and provide real-time feedback to monitor if the seat is vacant. It is ideal for Seat Occupancy Management and Monitoring for restaurants, transportation, and theaters.

## Features

- Ultra-thin
- Flexible and sealed properties
- Customization available



## Specification

MODEL	MF01-N-221-A01
FORCE SENSITIVITY RANGE	30g ~ 1000g (0.3N ~ 9.8N)
ACTIVE AREA	$\varphi$ 14.7mm
FORCE REPEATABILITY (SINGLE PART)	±2%
FORCE REPEATABILITY (PART TO PART)	±10%
FORCE RESOLUTION	Continuous(Analog)
STAND-OFF RESISTANCE (UNLOADED)	>20M $\Omega$
RESPONSE TIME	<1ms
OPERATING TEMPERATURE	-20°C to +70°C
LIFE CYCLE (WITHOUT FAILURE)	> 5 Million

Specification based on 1kg actuator measurement, one standard deviation / mean.

**TAIWAN ALPHA ELECTRONIC**

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