AUDIOWELL

SENSOR TECHNOLOGY

PRODUCT CATALOGUE

Health Care

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AUDIOWELL INTRODUCTION

Audiowell Electronics(Guangdong) Co., Ltd. (AUDIOWELL) was established in 1999, stock abbreviation: Audiowell, stock code: 920491. The company is a high-tech enterprise specializing in the research, design, production and sales of intelligent sensors and actuators and related applications.

Owning four manufacturing bases, Audiowell possesses the ability of of transducer chip preparation, structural design,intelligent algorithm, precision machining and packaging and testing technology and the main products are intelligent sensors and actuators. Products are widely used in intelligent vehicle, intelligent meters, smart homes, smart security, smart terminals and other fields. Audiowell committs to becoming the main provider of the core components of the perception layer and the execution layer and their solutions.

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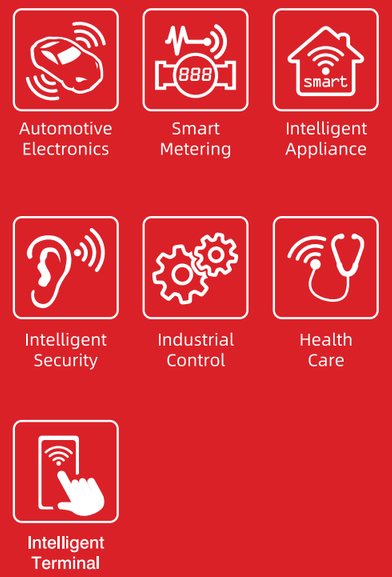

Sensor technology shaping an intelligent life.

HEALTH CARE

Transducer for Cutting Hemostat Knife

Ultrasonic Atomizing Module

Piezo Air Pump

Gait Monitoring Solution

PRODUCTS
CATALOGUE

HEALTH CARE

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Transducer for Cutting Hemostat Knife

Features

- Large amplitude, high cutting efficiency
- Small loss, less heat, high reliability
- High capacitance consistency, product

Applications

- Ultrasonic Cutting Hemostat Knife

Model	HN0780
Resonant frequency (KHz)	100
Static capacitance (pF)	900±12.5%
Electromechanical coupling coefficient	≥0.40
Dimension (mm)	16 x 6 x 2.5

Ultrasonic Atomizing Module

Features

- Intelligent frequency tracking technology, more stable atomization, good consistency
- Intelligent dry burning protection, safe and reliable
- Integrated structure design
- Atomization particle size as small as micron level

Applications

- Extermination fogging

Model	UM0122-006
Appearances	
Voltage (V)	24
Frequency (Mhz)	1.7±0.05
Current (mA)	900±50
Atomizing volume (mL/H)	≥300

Piezo Air Pump

Features

- Compact and lightweight
- Low power consumption and no noise
- Quantity of air released can be adjusted simply

Applications

- Smart Blood Pressure Watch
- Slim portable blood pressure monitor

Model	HN0780
Drive frequency (KHz)	24.5±2
Pressure (KPa)	40
Flow rate (mL/min)	≥150
Operating voltage (Vp-p)	36
Power (output) (W)	≤1.5

Gait Monitoring Solution

Features

- Thin to 100μm
- Ultra-fast response, 10 ms fast response and recovery
- Less than 0.5 MPa detection limit, superb resolving power

Applications

- Gait Monitoring System for Rehabilitation
- Smart Orthotic Shoes

Provide accurate data support

Continuous data chain to build a long time dynamic analysis system

Precise monitoring to help improve corrective training efficiency

Scientific data comparisons provide a quantifiable basis for improvement

Lineup

Products	Appearance	Cutting Hemostat Knife	Medical Nebulizers	Blood pressure meter	Smart Orthotic Shoes
Transducer for Cutting Hemostat Knife		■			
Ultrasonic Atomizing Module		■	■		
Piezo Air Pump				■	
Gait Monitoring Solution					■