MEDICAL DEVICES



眼科手术

医用气体监测

睡眠窒息监护

输氧智能控制

电子听诊器

无创血压计

-次性血压计

早产婴儿培育箱

宫缩压力传感器

真空吸引

生命特征监测

一次性手术压力监控

致力于提供高品质的医疗专用传感器, OEM 生产商的理想选择!

起博器

呼吸机监控

脊椎检查

肾透析仪专用传感器 注谢泵阻塞监控

输液控制

血氧探头

医疗设备数字按键键盘

人体脂肪秤

人体秤

Medical Devices and Disposables

MEAS 传感器在医疗领域中的应用

Designed with MEAS Sensors

心血管监控与诊断

Cardiovascular Monitoring & Diagnosis

无创血压计 Blood Pressure Cuff

Silicon MEMS pressure sensor used for measuring Inflated cuff pressure

一次性血压计

Disposable Blood Pressure Sensor

Very low-cost miniature silicon MEMS pressure sensor used in line with IV unit to monitor patient blood pressure

电子听诊器 Electronic Stethoscope

Piezoelectric film used as a contact microphone to receive heartbeat and breathing sounds

腕式脉搏计 Heart Beat at the Wrist

Silicon MEMS pressure sensor patterns used to measure heartbeat pattern by tonometry method

血氧探头 Pulse Oximetry

Photo-optic sensors used to measure blood oxygen saturation (SpO₂) and pulse

心血管治疗

Cardiovascular Treatment

手术气泵压力监控

Angioplasty balloon Inflating Pump

Silicon MEMS pressure sensor used to measure the pressure pumped to inflate the angioplasty balloon

输液控制 Blood Transfusion

Silicon MEMS-based stainless steel pressure sensor used in a blood separation device

低温手术设备压力控制 Cyrogenic Angioplasty

Silicon MEMS stainless steel pressure sensor used to measure the pressure levels when cryogenic gases are used to decease the clogged arteries

输氧智能控制 Oxygen Conserver

Piezoelectric film used to detect the inhalation process so the oxygen flow valve can be opened for breath inflake and can remained closed at other times.

储氧罐低位报警 Oxygen Tanks

 $\label{eq:microfused} \mbox{Microfused}^{\mbox{\tiny TM}} \mbox{ load cells can be used to measure the oxygen levels in the tank}$

起搏器 Pacemaker

Silicon MEMS pressure sensor used as an activity monitor (vibration sensor) detecting patient movement requiring increased blood flow by increasing the heart rate

呼吸机监控 Ventilator and Respirator

Silicon MEMS pressure sensor used to measure air flow in breathing aid devices

监护与诊断

Patient Monitoring and Diagnosis

骨密度 Bone Density -- Piezoelectric film used as an ultrasound transducer to measure bone density

人体脂肪秤 Body Fat Scale -- Electrodes used to determine body fat through electrical impedance

人体秤 Body Weight -- Microfused™ load cell used on a scale for patient weighing

生命特征监护(病床)

Hospital Bed Vital Signs Monitoring

Piezoelectric film used to measure breathing patterns and heart rate; Microfused™ load cells to monitor patient weight, including when patient leaves the bed

睡眠窒息监护 Sleep Apnea

Piezoelectric film used as a dynamic strain gage to sense chest movement, or as a contact microphone to sense snoring, or as a pyroelectric sensor to monitor breathing exhalation

脊柱检查 Spinal Column Testing

Silicon MEMS pressure sensor used for spinal column die testing system

病患治疗 Patient Treatment

便携式注射泵流量控制

Ambulatory Infusion Pumps

Silicon MEMS pressure sensor used to detect flow

输液监测 Bubble Detection and level Detection

Ultrasonic sensors to detect bubbles in the infused medication; also used to detect medication levels

医用气体监测 Hospital Gas Monitoring

Silicon MEMS pressure sensors used to detect the presence of gas flow for hospital-wide medical gas systems

注射泵控制 Infusion Pump

Piezoceramic diaphragm used to drive fluid at very slow rates

肾透析仪专用传感器 Kidney Dialysis

Microfused™ strain gage pressure sensor used to measure liquid flow pressure

早产婴儿培育箱 Premature Newborn Cabinet

Humidity control of air flow for optimized, safe

注射泵流速检测 Syringe Pump

Magnetic encoder used to determine flow rate of medication by measuring position of the piston

注射泵阻塞监控

Syringe Pump and Infusion Pump

Silicon MEMS force sensor and Microfused™ strain gage used to detect any blockage of medication flow

外科 / 分娩 Surgical / Delivery

真空吸引 Baby Delivery System

Silicon MEMS pressure sensor used to monitor pressure on vacuumassist baby delivery system

一次性手术压力监控 Disposable Digital Display

Low-cost silicon MEMS pressure sensor used to measure and display pressure during surgical procedure

宫缩压力传感器 Intra-Uterine Pressure Sensor

Low-cost miniature silicon MEMS pressure sensor used to monitor fetal activity during labor and delivery

眼科手术 Ocular Surgery

Silicon MEMS pressure sensor used to maintain fluid pressures in the eyeball during surgery

高可靠性控制面板(OEM 定制) Keypads and Assemblies

设备组件 Device Subassembly

Low cost sensor subassembly done in our offshore manufacturing facility

医疗设备数字按键键盘 Medical Keypad

Elastomer keypad and membrane switch used to control portable and stationary medical devices

MSI 技术应用于医疗领域 MSI Sensor Technologies

压力传感器 Pressure

Piezoresistive silicon MEMS (die/stainless steel oil-filled) Microfused $^{\text{IM}}$ silicon bonded strain gage Foil bonded strain gage

称重传感器 Force

Microfused™ silicon bonded strain gage Piezoelectric polymer (impact)

振动传感器 Acceleration / Vibration

Piezoresistive silicon MEMS Capacitive silicon MEMS Piezoelectric polymer

位置传感器(线性 & 转角) Position (Linear & Rotary)

Eletromagnetic sensors Magnetic and optical encoders Piezoelectric polymer - ultrasound

倾角传感器 Tilt 湿度传感器 Humidity

Capacitive fluid Capacitive thin film Piezoresistive silicon

血氧传感器 Pulse Oximetry

Photo optic sensors

