



VISHAY SFERNICE DIVISION TEASER

MEDICAL APPLICATION



A **WORLD OF**
SOLUTIONS



**P11 Serie
Panel Potentiometer**



KEY Advantages

- ✓ Modular design: possibility to customize different electrical function (switch)
- ✓ High rotating torque
- ✓ Various bushing and shaft designs

Competitors

- ✓ Bourns (USA)
- ✓ Alpha (JP)
- ✓ Alps (JP)

**UIPMA Series
Linear potentiometer**

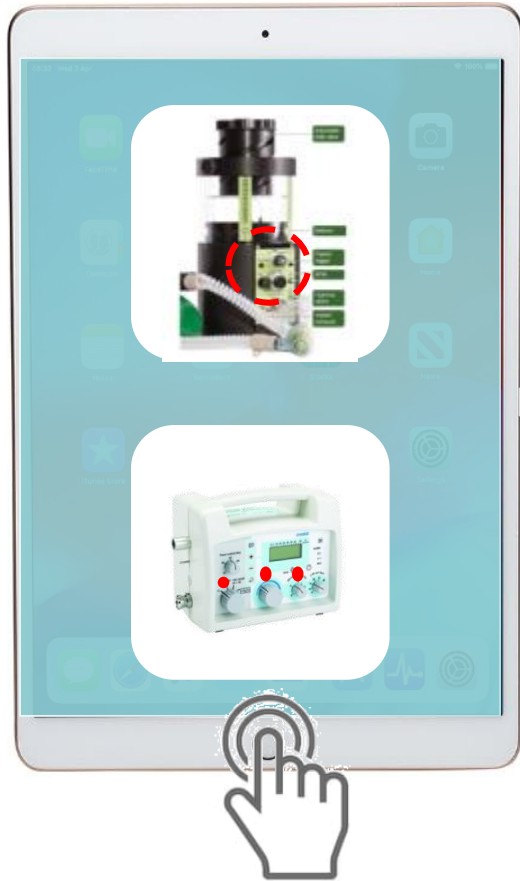


KEY Advantages

- ✓ Accuracy 2%
- ✓ Waterproof
- ✓ Easy mounting by adhesive layer "stick and play"
- ✓ Space saving / Cost optimized

Competitors

- ✓ Spectra Symbol (USA)
- ✓ Hoffman & Krippner (DE)
- ✓ Metallux (USA)



P11 Serie Panel Potentiometer



KEY Advantages

- ✓ Modular design: possibility to customize different electrical function (switch)
- ✓ High rotating torque
- ✓ Various bushing and shaft designs

Competitors

- ✓ Bourns (USA)
- ✓ Alpha (JP)
- ✓ Alps (JP)



DIAGNOSIS MACHINE



34THE Serie Non-contacting Multiturn Position Sensor

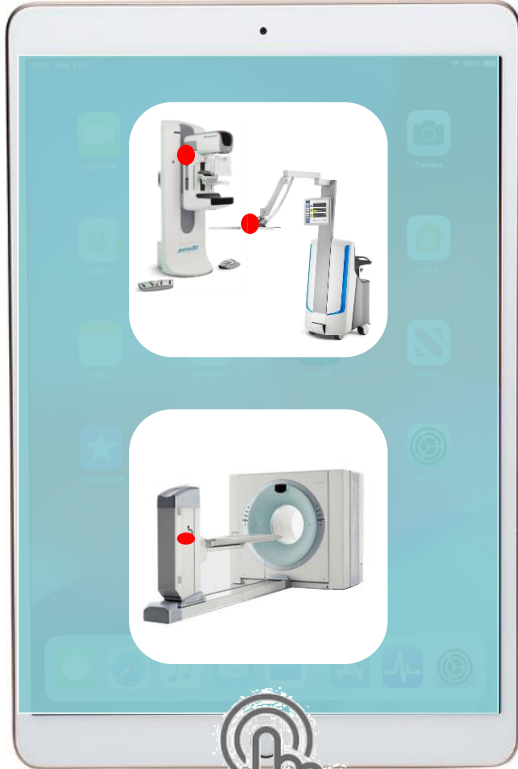


KEY Advantages

- ✓ Accurate position monitoring
- ✓ Absolute ("true power on")
- ✓ Analog ratiometric or digital output signal (redundant or not)
- ✓ Up to 50 millions cycles

Competitors

- ✓ BOURNS (USA)
- ✓ NOVOTECHNIK (GE)
- ✓ TTE (BI) (USA)



Contacting Position Sensors Conductive Plastic & Wirewound Technologies



KEY Advantages

CONDUCTIVE PLASTIC

- ✓ Linearity $\pm 1\%$ down to $\pm 0.015\%$
- ✓ Essentially infinite resolution
- ✓ Long operational life: Up to 50 million cycles
- ✓ -55°C to $+125^{\circ}\text{C}$
- ✓ Excellent repeatability
- ✓ Highly customizable

WIREWOUND

- ✓ Low TCR
- ✓ Cost effective solution

Competitors

- ✓ BEI (FR-USA)
- ✓ HONEYWELL (USA)
- ✓ BOURNS (USA)
- ✓ TTE (BI) (USA)

LPS Serie High Power Thick Film Resistor



KEY Advantages

- ✓ High Power Dissipation up to 110W
- ✓ Small size / low profile Non Inductive Design
- ✓ High Dielectric Strength up to 12 kVrms
- ✓ High Energy capability up to kJ +100ms pulse

Competitors

- ✓ EBG (AT))
- ✓ ATE (IT)
- ✓ OHMITE (USA)



INDUSTRIAL MARKET

High Precision

FIXED WIREWOUND VITREOUS

GRID BOX

MEMBRANE POTENTIOMETER LINEAR

FOLDED METAL

IGNITERS

Automotive Grade

Medical

Power Thick Film

THIN FILM Resistor

MEDIUM POWER RESISTORS

Microwave Thin Film

POWER THICK FILM

INDUCTOR

ESCC - ESA approved

HEATING

PLANAR TRANSFORMER

AUTOMOTIVE

VERY HIGH POWER

Military

MAGNETIC ENCODER

WATER COOLED

PRECISION POTENTIOMETERS

VERY HIGH TEMPERATURE

Sensor

Aero

PASSIVE

MCB

HEATING

POWER PLANAR

VISHAY SERNICE

AEC-Q200

Power Thick Film

HIGH TEMPERATURE

THIN FILM

Resistor

Automotive Grade

BRAKING RESISTOR

MEDIUM POWER RESISTORS

Microwave Thin Film

PANEL POTENTIOMETER