Process Monitoring

Product Catalogue

Spot Welding  Riveting  Stamping

Clinching  Crimping  Press Fitting

Quality without Question
Process Variation Monitor for Quality Monitoring, Control, and Traceability

- Quality issue prevention
- Operator Friendly
- Large Data Capacity
- Wide Application Range
- Retrofit or new machine applications

PVM5000 Series

PVM3000
Process Variation Monitor with Operator Interface

- Cost effective and robust process monitor
- Ideal for force forming applications
- Multi-colored graphic operator interface
- Data logging capability and traceability with included ForceView software
- I/O for machine control
- Retrofit or new machine applications

PVM3000

PVM1000
Signature Analysis for Process Monitoring and Control

- Signature analysis of process
- Suitable for high speed applications
- Multi-colored graphic operator interface
- I/O for machine control
- Retrofit or new machine applications

PVM1000

PVM600
Assembly Force Monitoring with Analysis Capability

- Force versus Time or Distance capability
- Detect process variations that correlate to quality defects
- Modular, flexible, adaptable
- Integrates with PLC systems for effective process monitoring and control
- Retrofit or new machine applications

PVM600

NEW
Threshold monitoring with EtherNet/IP interface

- Continuous force feedback for manufacturing, assembly, on-line processes, or product testing
- Auto-zero and remote reset features to synchronize with process cycles
- High accuracy
- Versatile

PSC400EIP
Assembly Force Monitoring for Test and Measurement Applications

- LabVIEW compatible
- Provides real time dynamic force measurement through entire process cycle
- Auto-zero and remote reset features to synchronize with process cycles
- High accuracy

PSC400USB
Assembly Force Monitoring with Peak Hold

- Analog and Peak Hold outputs allow for real time process monitoring with machine control devices
- Peak hold with Auto-zero and remote reset features to synchronize with process cycles
- High accuracy
- Versatile

PSC100
Assembly Force Monitoring

- Auto-zero allows for real time process monitoring with machine control devices
- High accuracy
- Auto-zero and remote reset features to synchronize with process cycles
- Versatile
Sensors

Strain

- Excellent performance and reliability
- Simple installation
- Low maintenance

Pressure

- Sense the hydraulic pressure during the work cycle

Motor Load

- Sense the motor load relative to work performed
- Metal forming, turning, & cutting applications

Displacement

- Dynamic position sensing

Force

- Direct measurement of force
- Excellent Performance
- Mounted in series for dynamic force monitoring
Dynamic Force Sensor as an Integral Component of the Machine

- Opens new opportunities for dynamic force monitoring applications
- Force range configured as required
- High resolution, robust, and reliable

SENFit™ Custom

www.oestech.com
1-877-652-5833
Investigate and Validate New Monitoring Applications

- Capture the signature profile of the process
- Learn your process - repeatability, stability, variations, causes & effects
- Qualify a monitoring system capability

Global Support
Eliminating Defects for over 30 years