



MESCON

Technologies, Inc.

Process Parameters Measurement and Monitoring Equipment



humidity • vibration/acceleration • density/specific gravity • light/turbidity • flow (Vol./mass) • current/voltage

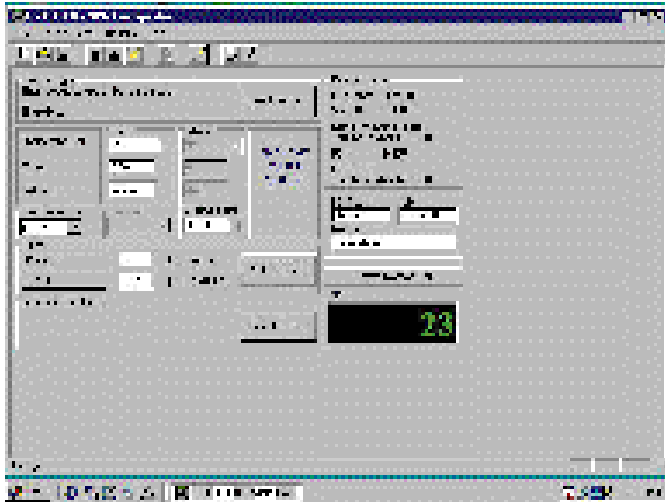
power • chemical (pH, conductivity, DO) • radiation • weight • temperature • force/torque • speed/rpm

pressure • temperature • force/torque • speed/rpm • displacement/rotation • level (liquid/solid) • volume • weight





Just-PC™ Technology: Universal Flexible, Precise and Affordable.



The Just-PC™ technology uses the power and flexibility of the PC, together with a standard hardware/firmware platform to create a complete family of precision industrial instruments. Unlimited applications and software support allows for future expansion and new developments, keeping instruments current with technical requirements.

Just-PC™ products:

- PC programmable, or preset configuration
- User friendly, Windows® based software
- Free software updates on Mescon's website
- Field, thermal head, DIN rail or panel mounting
- CE marked

Inputs:

- Thermocouples
- RTDs, Thermistors
- DC, AC
- Frequency
- Bridge
- Potentiometric
- Resistance
- Infra-red T/C

Instruments:

- Signal conditioners
- 2-wire transmitters
- Digital indicators/controllers
- Data acquisition modules





Smart Transmitters from MESCON.



Smart Transmitters:

- Universal input capable
- Fully software driven
- HART® communications protocol.
- DIN rail and field mount
- 2-wire transmitter system
- Optional LCD indicators
- Programming via HART® protocol, hand-held programmer, or pen-magnet.

SPIN Series:

- Site programmable interface.
- Configurable output - current & voltage
- Custom sensor linearization.
- Dual & triple input capabilities
- Full-featured dual set-point
- Mathematical functions
- Programmable 4-wire transmitter function.



Electrical Parameters Measurement



T-26:

- High current input transmitters
- Up to 1,000 Amps
- Accuracy: 0.25%
- 4,000 Volts isolation
- Loop-powered
- Optional LCD indicator

EP Series:

- EPI - current
- EPV - voltage
- EPW - power
- 2-wire / 4-wire

Series 20-40-60/6:

- Loop powered
- Signal powered
- 2,000 Volt isolation
- Optional display
- Configurable output

SPM-460:

- Digital indication and alarm
- Amp/Volt universal input
- Line freq. measurement
- Analog output trans.



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Temperature Instrumentation Products



- Thermal-head, DIN, ANSI, and Elliptical 2-wire transmitters
- Full input/output isolation
- High density DIN rails
- Thermocouple, RTD, Infra-red, Thermistor inputs
- PC-programmable
- Smart - HART® protocol



DC/AC Powered Signal Conditioners



- Full 2,000 Volt triple isolation
- DIN rail mounting
- Optional LCD indicator
- Inputs to 1,200 Volts
- Voltage outputs to 100V
- Current outputs to 500mA
- Unipolar or bipolar options
- Analog, Smart and programmable instruments
- For DC, AC, Frequency, Potentiometer, Bridge and other process variables



Loop Signal Isolators

- Loop or line powered
- Field or panel mount
- Isolations barriers
- Signal repeaters
- HART® protocol transparent
- Lowest voltage drop
- Better than 0.1% accuracy



Smart Digital-Indicators / Process Monitors



S²PM-2000

- Universal input capability
- 50 conversions/sec.
- Transmitter excitation
- Math functions
- Square-root and totalizing

S²PM-2200

- Frequency/Pulse input
- Rate/Total/Batch control
- Input to 30,000 KHz

(common to S²PM models)

- 6-digit rate display, 9-digit total
- Custom linearization
- Tri-color display

- Full scaling capability
- Up to 8 alarms/unit
- Engineering units conversion

SPM-400

- Just PC™ technology
- PC programmable
- 4 or 6-digit display
- Tri-color option
- Universal input models
- Process inputs from:
Thermocouples, RTDs, Infra-red sensors, Thermistors, Strain gages, AC and DC, Potentiometers.

Pressure Transmitters

- Capacitance sensor technology
- Ceramic sensing element
- Wide range chemical compatibility
- Replaceable wet-ends
- Temperature compensated
- Non-metallic wetted materials
- Choice of process connections
- Ranges from 1 psi to 1,000 psi
- 0.1% accuracy



Miscellaneous



1150

- Dual Set-Point Alarms
- 2-Wire — no power needed
- Input Signal Status Indicator

MES-700

- Up to 10 Thermocouple Inputs
- Up to 6 RTD Inputs
- 20 Set-Point Alarms and Monitors

TSC-10

- RTD Sensor/Transmitter
- Low Cost/High Performance
- IP66 Enclosure



The CAPS program OEM - Customer Applications Products

Mescon's 25 years of proven software & hardware performance in industrial instrumentation is helping our customers in defining and designing their new products, competitively and expediently, providing low design cost, short time-to-market and competitive prices.

Mescon developed a comprehensive selection of, modular, hardware and software building-blocks core technologies. These include Smart (SST), Programmable (Just-PC) and high precision analog technologies. These enable Mescon to connect to virtually any standard or custom industrial sensor, and provide any type of digital or analog interface.

Some of Mescon's field-proven OEM/custom product application areas include: Flow measurement/control instruments, Hazardous Gas detection systems, High-Speed data-acquisition modules, HART® protocol devices, Pressure, level and temperature products.

As a result, Mescon has become a major supplier of custom and modified instruments for a wide range of specialized applications and/or enclosures. Mescon OEM customers include manufacturers and distributors of machinery, sensors, instruments, flow, level, and temperature companies.

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