



AUTOMATED

PROCESS

L I M I T E D

...innovative know-how

- Dew Point Sensors
- Humidity & Temperature Measurement and Control System – ProSens Line
- Humidity & Temperature Measurement and Control System – DAQ Systems – TRS

**Dew Point,
Humidity &
Temperature
Measurement**

DEW POINT, HUMIDITY AND TEMPERATURE MEASUREMENT

Dew point, humidity and temperature measurement and control for air, compressed air and gases applications.

APPLICATIONS:

air / compressed air | carbon dioxide (CO₂) | methane (CH₄) | nitrogen (N₂) | oxygen (O₂) | natural gas | argon (Ar) | hydrogen (H₂) | other gases on demand

PRODUCTS:

- o Dew Point Sensors
- o Humidity & Temperature Measurement and Control System – **ProSens Line**
- o Humidity & Temperature Measurement and Control System – **DAQ Systems – TRS**



DEW POINT SENSORS

APPLICATION:

air / compressed air | carbon dioxide (CO₂) | methane (CH₄) | nitrogen (N₂) |
oxygen (O₂) | natural gas | argon (Ar) | hydrogen (H₂) | other gases on demand

PRODUCTS:

- o Dew point sensor from -20 to 50°Ctd for the typical use in refrigeration dryers - **FA 510/515**
- o Dew point measurement **DS 52-set** (-80...20°Ctd) for desiccant dryers
- o Robust dew point sensor for compressed air and gases – **FA 550**
- o Dew point sensor **FA 515 Ex** for residual moisture measurement in explosive areas
- o OEM dew point sensors for residual moisture measurement in compressed air and gases – **FA 505**
- o **DS 400-Set** for dew point measurement in compressed air systems



INSTALLATION & MAINTENANCE ACCESSORIES FOR DEW POINT SENSORS

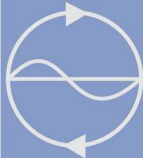
- o Sensor measuring chambers for various applications
- o Control and calibration set for dew point sensors



HUMIDITY & TEMPERATURE MEASUREMENT AND CONTROL SYSTEM – ProSens Line

ProSens is a new line of modern industrial instruments for humidity and temperature systems, which integrates transmitters, displays, meters and controllers functionalities with universal inputs, relay outputs, analogue outputs and RS-485 / Modbus RTU.

- o **Prosens QM-100** - transmitter, display, meter and controller in one, version without probe.
- o **Prosens QM-211/212/213** - transmitter, display, meter and controller in one, measurement probe Ø 18 mm, radial integrated with case, L=40/90/145 mm
- o **Prosens QM-421/422** - transmitter, display, meter and controller in one, measurement probe Ø 12 mm, axial integrated with case, L=200/300 mm
- o **Prosens QM-612-00** - transmitter, display, meter and controller in one, measurement probe Ø 18 mm, L=90 mm, radial.
- o **Prosens QM-612-XX/621** - transmitter, display, meter and controller in one, cable measurement probe Ø 18/12 mm, L=90/200 mm.
- o **SimCorder Soft** is visualisation & utility software for the ProSens line.



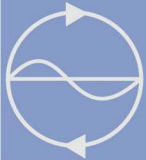
HUMIDITY & TEMPERATURE MEASUREMENT AND CONTROL SYSTEM – DAQ Systems – TRS

TRS system measures, collect, records and share information on temperature and humidity based on the SimCorder Soft software (DAQ Systems) and dedicated temperature and humidity measuring sensors and converters.

Applications are in cold rooms, production halls of various industry like food, pharmaceutical, cosmetic, warehouses and maintenance storage areas, libraries etc.

TRS System includes:

- o Ambient temperature transducer (**TRS-01a**)
- o Temperature transducer to work with a Pt100 sensor (**TRS-02a**)
- o Temperature and humidity transducer (**TRS-04a**)
- o Ambient temperature transducer with display (**TRS-11a**)
- o Wall mounted indicator (**TRS-10a**)
- o Additional power supply (**TRS-09a**)
- o Sound signal device (**TRS-B1a**)
- o RS465 protocol converter with power supply (**SRS-2/4-Z16-B1a**)
- o Supporting power supply (**TRS-09a**)
- o GSM / GPRS external modem (**Fastrack Fs20**)
- o **SimCorder Soft** visualization software



OUR INDUSTRIAL SOLUTIONS AND SERVICES OFFERING



1. Liquid/gas storage/buffer tank level measurement and control
2. Liquid/solid dosing/filling/batching systems
3. Utility liquid/gas metering and inventory systems
4. Fluid loading and unloading systems
5. Industrial safety systems
6. Energy monitoring and management systems
7. Condition monitoring and control systems
8. Instrument maintenance and calibration services
9. Process plants/machines instrumentation and control
10. Compressed air quality solution according to ISO8573
11. Compressed air/gas leak detection and control
12. Control valves system design, assembly and services
13. Industrial wireless and IoT systems
14. Motors, pumps and fans monitoring and controls
15. Electrical panel building components, accessories and services

INDUSTRY

- Food and Beverage
- Pharmaceuticals
- Cement and Chemicals
- Plastics, Printing and Packaging
- Marine, Oil & Gas
- Power and Energy



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