

MEASURES

ACCELERATION (Kistler)

Wide range : Inclinometers, Accelerometers.
Type : Mono-axial or Triaxial, Charge or IEPE.
For industrial applications.



TORQUE (Kistler)

Measuring ranges : from 0.2 Nm to 10,000 Nm.
High precision and dynamic performance.
Transmission via slip ring or contactless (KiTorq).
For industrial applications, test benches, and R&D.

DISPLACEMENT (Kistler, S2 Tech)

From 10 mm to 750 mm.
Accuracy: linearity $\pm 0.1\%$ depending on the model.
Repeatability up to $\pm 2 \mu\text{m}$.



FORCE (Kistler, S2 Tech)

Piezoelectric technology.
Partially calibrated ranges.
Dynamic and quasi-static measurements.
Standard or custom solutions.

LEVEL (STS, UWT, Nivelco)

Vibrating forks, Rotary paddles, Ultrasonic, Radar.
Level measurement or detection — for liquids or solids.



PRESSURE (Kistler, Ascon Tecnologic)

Piezoelectric technology, wide measurement ranges.
Dynamic and quasi-static measurements.
Piezoresistive technology for static measurements.

TEMPERATURE – HUMIDITY (Prosensor, LUMEL)

Thousands of references.
Standard and custom manufacturing.
Low and high temperature ranges.



INSTRUMENTATION

XALIS DISPLAY (JM Concept)

Modular multifunction display.
Universal input compatible with various sensors.
Relay outputs, analog outputs, and RS485 Modbus communication.



TELIS / ULCOS CONVERTERS (JM Concept)

Universal input with linearity function.
Simplified version for OEM applications.
Isolated analog and digital (TOR) outputs.
RS485 Modbus, USB port, Hub.



MULTI-CHANNEL DISPLAYS (Ascon Tecnologic)

8 universal analog inputs.
16 digital inputs/outputs, 4 analog outputs.
RS485, Ethernet, Modbus RTU.
Extension for PLCs.



MOBILE MONITORING DATALOGGER HOBO

Compact, high-performance standalone mini data loggers.
Universal inputs; multi-channel.
User-friendly software.
Measures temperature, RH, process signals, CO₂, light.

DATA LOGGERS (LUMEL)

3, 6, or 12 analog channels.
6 to 32 alarms; 4 to 8 analog outputs.
RS232 – RS485 – USB; Ethernet – Modbus TCP/IP.
SD memory card.
Measurement of various parameters in a three-phase network.



ALARM PANELS (AMI)

Wide range of display panels.
Management of technical alarms.
3, 4, 8, 12, and 24 channels.
Sizes: 48×48 mm – 96×96 mm – 144×144 mm.



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REGULATION

POSITIONERS (OMC)

Linear or rotary.

Standard control signals : 4-20 mA or 3-15 psi.

ATEX zone certified.



CONTROLLERS (Ascon Technologic)

All types of controllers.

Universal inputs and various outputs.

PID with auto-tuning.

METROLOGY

FIELD CALIBRATORS CALYS (AOIP)

Simultaneous IN/OUT display for PT100, thermocouples, voltage, current, resistance, frequency.

Calys 50, 75, 150 : High precision.

Range from -1 to 8000 bar.



INDUSTRIAL MICRO-OHMMETER (AOIP)

Measurement of very low resistances (down to 0.1 $\mu\Omega$).

Test current up to 10 A.

Digital display, data recording.

Compatible with inductive and non-inductive resistances.



TECHNICAL PYROMETER (AOIP)

Measurement range : 1 m Ω to 20 k Ω with high resolution.

Digital display with auto-calibration and memory.

Portable for very precise resistance measurements.

Integrated safety for sensitive applications.



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or are you looking for a product?

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PORTFOLIO LABORATORY 2025

MEASURES

TEMPERATURE CALIBRATION (ACIP)
Wide measurement range and high accuracy.
User friendly.
Compatible with DATACAL software.
Portable.

PRESSURE CALIBRATION (ACIP)
Wide measurement range and high accuracy.
Easy to use and calibration.
Portable and robust.
Calibration certificate included.

MICRO-OHMETER (ACIP)
Ultra precise measurement : down to 0.01 $\mu\Omega$.
Compensation for temperature and electromagnetic forces.
Data storage : memory and transfer.

PYROTECHNICAL (ACIP)
Integrated safety with continuity and insulation testing.
Robust and safe.
Easy to use.

HIGH DYNAMICS (Kistler)
Explosive measurement (airbag).
ATEX testing.
Internal ballistics.

TEST & MEASUREMENT (Kistler)
Wide measurement range.
Various sensors with piezoelectric technology.
Acquisition systems.

TEMPERATURE & HR & WEATHER (Prosenor, LUMEL)
Humidity and temperature sensor.
Complete weather stations.

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PORTFOLIO SOLUTIONS 2025

INDUSTRY SOLUTIONS

PLASTICS INDUSTRY (Kistler)
Combiplan : Real-time measurement of pressure and temperature in molds. Automated control with assistance algorithms and AI based quality prediction.
CPC UA communication.
Combiplot : Monitoring of non-connected machines via machine signals and external sensors.
Specialized modules available.

ASSEMBLY (Kistler)
Electromechanical servo presses for precise assembly.
multithread : Real-time process monitoring and control.
Sensors ensure quality control and traceability.

MANUFACTURING (Kistler)
Piezoelectric technology and high-precision servo presses.
Online control platforms.
Industry 4.0 integration for smart manufacturing.

PROCESS CONTROL (Ascon Tecnologic)
Independent control loop.
PID regulation.
Applications : Bakery, Chocolate, Brewery, Wine production.

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PORTFOLIO TAILOR MADE 2025

PROJECTS

At BTFmesures, each project begins with a rigorous and tailored design phase.
We analyse our clients' specific needs to create efficient, customized solutions.

Analysis
Active listening
Feasibility study
Requirements specification

Design
Proposal of innovative solutions
Functional design
Technical optimization
Selection of best-in-class components

Collaboration and Validation
Regular exchanges with the client
Testing
Competitive solutions

Revamping
On-site intervention
Product return and analysis
Component replacement

Availability, Independence, and Quality are our core values.

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PORTFOLIO VALVES 2025

ACTUATORS

Type ASC (Sarasin Actor)
Low Pressure.
Single or Double Acting.
Up to 1,000 N.m

Type ASY (Sarasin Actor)
Low / High Pressure.
Single or Double Acting.
Up to 300,000 N.m

Type ARP (Sarasin Actor)
Low / High Pressure.
Single or Double Acting.
Up to 600 N.m

Type RC (Sarasin Actor)
Low Pressure.
Single or Double Acting.
Scotch Yoke Technology.
Up to 8,000 N.m

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