

PROJECTS

At **BTfmesures**, each project begins with a rigorous and tailored design phase. We analyze 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.



EXAMPLES

Control Box for Displacement Measurement (LVDT)

Signal linearization and display.
Device : XALIS (JM Concept).



Outdoor-Mount Display Enclosure

XALIS (JM Concept).

Control Enclosure

KM1 (Ascon Technologic).

Various components configurable.

Optional integration of an emergency stop button.

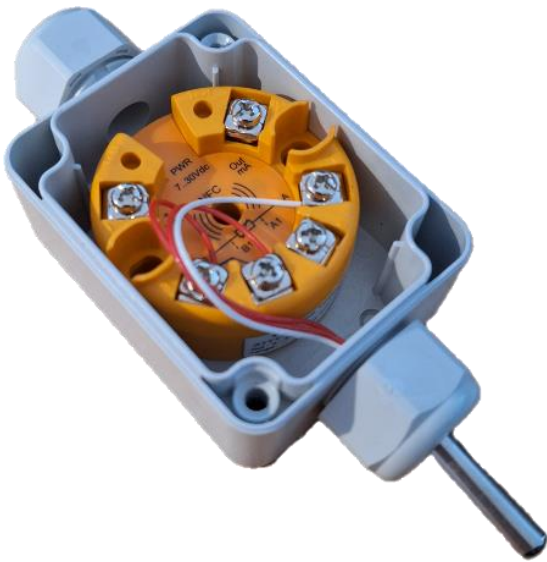
Environmental Monitoring System (AKCP)

Temperature, Humidity,...



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Temperature probe enclosure

Temperature probe embedded in an enclosure.
ATT1 (Ascon Technologic) configured to provide a 4–20 mA analog output over a specific range.

Level measurement enclosure using RTD



Modular Measurement Kit

N19Z (LUMEL).



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or are you looking for a product?

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PORTFOLIO **INDUSTRY** 2025

MEASURES

ACCELERATION (Kistler)
Wide range : Inclino-meters, Accelerometers.
Type: Mono-axis 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 (KCFrog).
For industrial applications, test benches, and R&D.



DISPLACEMENT (Kistler, S2 Tech)
From 10 mm to 500 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, LWT, Nivelco)
Vibrating forks, Rotary paddles, Ultrasonic, Radar.
Level measurement or detection — for liquids or solids.



PRESSURE (Kistler, Ascon Technologic)
Piezoelectric technology, wide measurement ranges.
Dynamic and quasi-static measurements.
Piezoresistive technology for static measurements.



TEMPERATURE – HUMIDITY (Prosensoir, LUMEL)
Thousands of references.
Standard and custom manufacturing.
Low and high temperature ranges.



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PORTFOLIO **LABORATORY** 2025

MEASURES

TEMPERATURE CALIBRATION (ADIP)
Wide measurement range and high accuracy.
Use-friendly.
Compatible with DAQCAL software.
Portable.



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



MICRO-OHMMEETER (ADIP)
Ultra-precise measurement — down to $0.01 \mu\Omega$.
Compensation for temperature and electromagnetic forces.
Data storage, memory and transfer.



PYROTECHNICAL (ADIP)
Integrated safety with continuity and insulation testing.
Reliable and safe.
Easy to use.



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



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



TEMPERATURE & HR & WEATHER (Prosensoir, LUMEL)
Humidity and temperature sensors.
Complete weather stations.



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PORTFOLIO **SOLUTIONS** 2025

INDUSTRY SOLUTIONS

PLASTICS INDUSTRY (Kistler)
ComfoNex : Real-time measurement of pressure and temperature in molds. Automated control with assistance algorithms and 30 second quality prediction.
OPC UA communication.
CombiFlow : Monitoring of non-connected machines via machine signals and external sensors.
Specialized modules available.



ASSEMBLY (Kistler)
Electromechanical servo presses for precise assembly machines : 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 Technologic)
Independent control loops.
PID regulation.
Applications : Bakery, Chocolate, Brewery, Wine production.



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PORTFOLIO **VALVES** 2025

ACTUATORS

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



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



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



Type RC (Sarasin Actor)
Low Pressure.
Single or Double Acting.
Scotch Yoke Technology.
Up to 6,000 Nm.



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