

Instrumentation for the nuclear industry

Pressure, level, flow, gas analysis
and radiation protection



Reliable solutions

for your nuclear facilities

Fuji Electric France offers reliable, certified instrumentation solutions for nuclear applications. Our measuring instruments are used in power plants under construction, as well as in facilities undergoing refurbishment, decommissioning projects and nuclear research programmes.

Designed to operate in the most demanding environments, they contribute to **ensuring the safety**, operational continuity and regulatory compliance of these facilities.

Our nuclear experts provide dedicated **technical support** and full traceability to meet the sector's most stringent requirements.



➤ Nuclear pressure transmitter Smart, innovative and built to last

- **Quality excellence and traceability**
Manufactured in France under strict quality control.
Quality management system certified to ISO 19443.



- **Long-term reliability**
Stability, accuracy and performance ensured, even under extreme conditions.

- **Quick and secure installation**
Fast and secure electrical connections.

- **Extreme durability**
RCC-E seismic qualification up to 35 g.

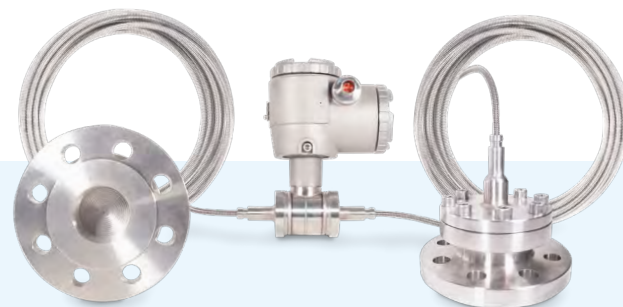
- **Robust design**
ANFL-certified to IEC 62671, high reliability.

- **Suitable for all your processes**
Wide range of connection options and materials.





Absolute pressure transmitter
with diaphragm seal
FKM - NC - K3



Differential pressure transmitter
with diaphragm seal
FKD - NC - K3



Absolute pressure transmitter
FKA - NC - K3
Absolute pressure transmitter
Analogue version
FYA - K3-ad



Gauge pressure transmitter
with diaphragm seal
FKB - NC - K3
Gauge pressure transmitter with
diaphragm seal - Analogue version
FYB - K3-ad



Differential
pressure transmitter
FKC - NC - K3
Differential pressure transmitter
Analogue version
FYC - K3-ad



Gauge
pressure transmitter
FKG - NC - K3
Gauge pressure transmitter
Analogue version
FYG - K3-ad



High-pressure
gauge transmitter
FKR - NC - K3

➤ Pressure

Measuring pressure, flow, level or density.

Differential, gauge and absolute pressure transmitters
Pressure transmitters with diaphragm seals and capillaries
Level measurement by hydrostatic pressure
Flow measurement by ΔP across a primary flow element

➤ Accessories



Nuclear-grade
electrical connectors



2, 3 or 5 way
manifolds



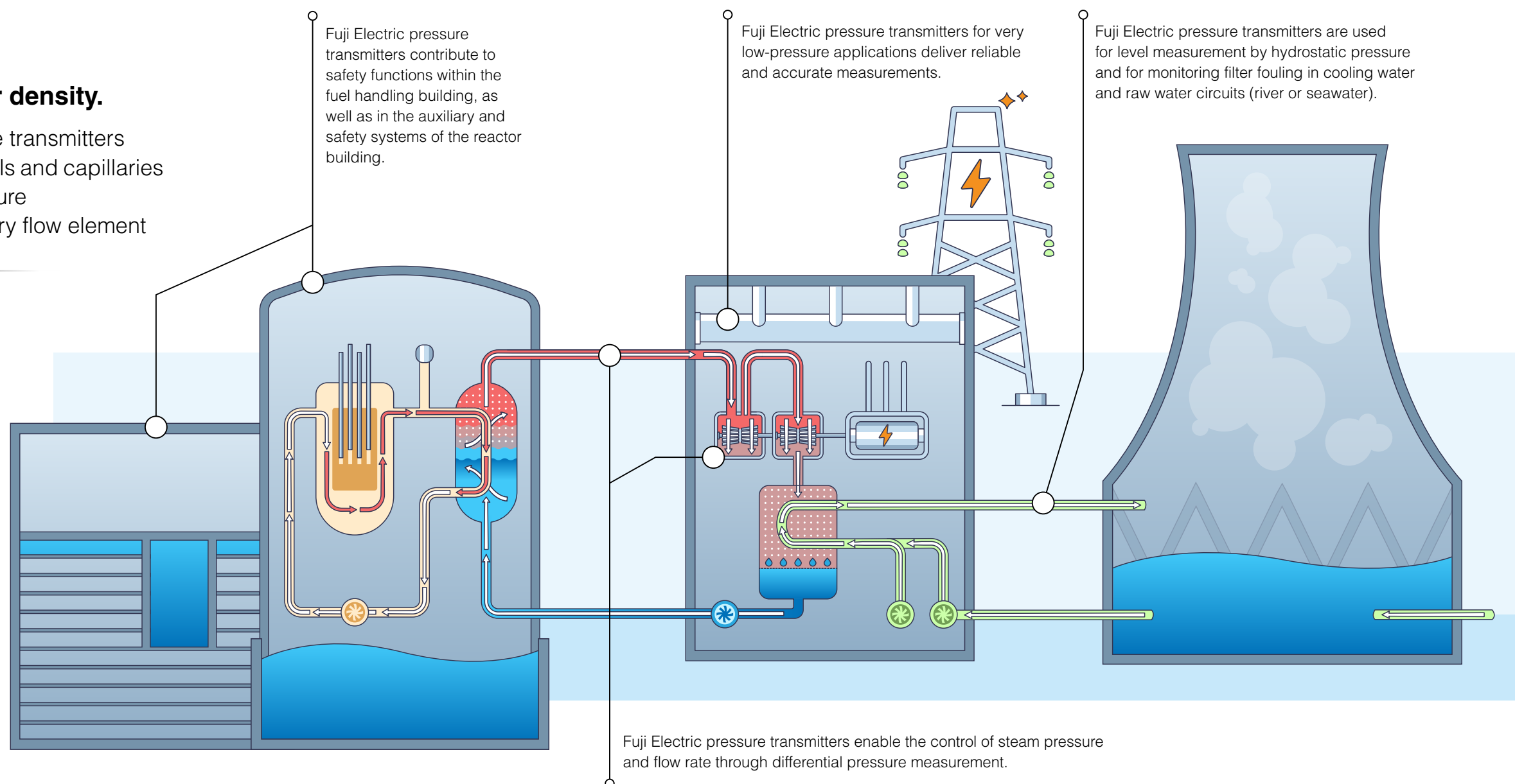
Local digital
indicator



Mounting bracket



HP/LP process
connection
switching device



Reliable, qualified nuclear pressure transmitters

A certified solution meeting nuclear industry standards



A **transmitter qualified** for nuclear applications contributes to compliance with safety requirements through its conformity with RCC-E (NC) and its K3 / K3-ad qualifications, including seismic qualification (TAS).

Designed to remain operational under **accident conditions**, it is compatible with the most demanding environmental conditions and thermodynamic profiles. Its seismic qualification, **full traceability** and manufacture in accordance with industry quality standards make it a reliable and durable solution.

The associated documentation and adherence to project schedules contribute to effective project execution, as well as to the **availability** and **performance** of your facilities throughout their lifecycle.

➤ 100% Analogue technology



■ Availability and operational continuity

Designed to operate in harsh environments.

■ Radiation qualification

TID 50 kGy, integrity up to 65 kGy.

■ Seismic resilience

RCC-E component spectrum up to 35 g.

■ Intrinsic safety

Enhanced cybersecurity,
no programmable electronics.

■ Continuous performance under accident conditions

K3-ad certified.
LOCA, high temperatures, seismic conditions and radiation.



➤ Flow meter

Measure fluid flowrate.

Ultrasonic flow meters for air, liquids and steam
Primary flow elements



➤ Gas analysis

Optimising industrial processes.

Controlling combustion and atmospheric emissions.

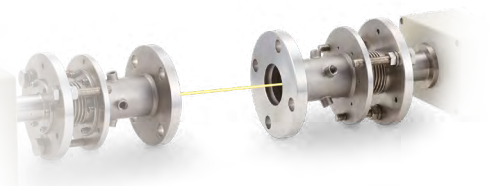
Continuous Emission Monitoring Systems (CEMS)

Oxygen gas analysers (O_2)

Infrared multi-gas analysers

Laser gas analysers

Hydrogen (H_2) and Helium gas analysers (He)



➤ Radiation monitoring

Ensure worker safety.

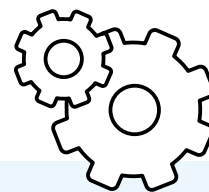
Neutron survey meters

Electronic personal dosimeters



Services

Maintenance, commissioning and calibration services



We support you with the **calibration** and maintenance of your measuring instruments to ensure their long-term performance.

Our team of experts works with you to develop a **bespoke maintenance plan** tailored to your operational constraints and requirements.

We ensure that your instruments remain accurate, reliable and available throughout their **lifecycle**.

With this support, you can minimise operational risks, optimise your processes and sustainably improve the **overall performance** of your facilities.

Quality

Certifications & qualifications

The quality of our products is built on adherence to strict standards, in compliance with the regulations in force in each country.

We are committed to continuous improvement through an integrated management system that meets the requirements of **ISO 9001**, **ISO 14001**.



Quality certification:

ISO 9001:2015

Quality Management Systems
(Certificate No. 1997/8402)



Environmental certification:

ISO 14001:2015

Environmental Management Systems
(Certificate No. 2014/59264)



Product compliance

EU - UKCA

Environmental Measures

TÜV / MCERTS QAL1 EN 14181

Safety

SIL2 / SIL3 (IEC 61508 & IEC 61511) DDLF-certified to IEC 62671

Qualification EDF

RCC-E ed. 2019 - NC, TAS, K3-A, K3-ad

Qualification FRAMATOME

QN100 / QN200 / QN300

Nuclear

K3-A/1E and K3-ad/1E

Hazardous areas

ATEX - IECEx - cCSAus

Fuji Electric France

Specialists in instrumentation,
radiation monitoring and gas analysis

At **Fuji Electric France**, we combine innovation and technological expertise to develop sustainable solutions that address today's energy and environmental challenges. Our technologies help enhance the safety, reliability and regulatory compliance of the most demanding industrial facilities.

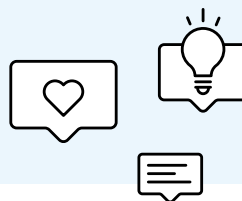
Our mission: To support industries in producing cleaner energy, improving energy efficiency and protecting the environment for a sustainable future.

By placing **excellence and innovation** at the heart of our approach, we design high-performance, bespoke solutions tailored to our clients' needs. Together, we tackle today's industrial challenges and build a **more responsible** and **sustainable future**.

Get more information

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Expert advice, industry news,
upcoming events, tutorials, tips & more.



YouTube

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➤ Discover our full range of measuring instruments and gas analysis solutions.



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