

Innovating Energy Technology

Instrumentation for the nuclear industry

Safety - Reliability - Performance



Fuji Electric France S.A.S.

Fuji Electric France

French manufacturer of pressure transmitters innovative, reliable and efficient since 1995

Fuji Electric's mission is to provide nuclear operators and engineers with accurate pressure transmitters featuring high long-term stability and fast delivery times.

We supply differential, absolute and gauge pressure transmitters to nuclear power plants and nuclear research centres around the world.



6 Essential characteristics of a nuclear pressure transmitter



A nuclear pressure transmitter is manufactured using materials from rigorously selected suppliers, ensuring the high level of quality, traceability and qualification required.

1 - An indisputable quality approach and safety culture: Control of manufacturing processes - Traceability of supplies Continuous training of teams - Technical support for customers

2 - Qualified life span:

Guaranteed level of performance and operability over time and even in the event of a serious accident

3 - Approved connectors:

1/4 turn quick disconnect electrical connector meeting the most demanding qualifications

4 - Seals adapted to the requirements: PMUC certification - High tolerance to irradiation

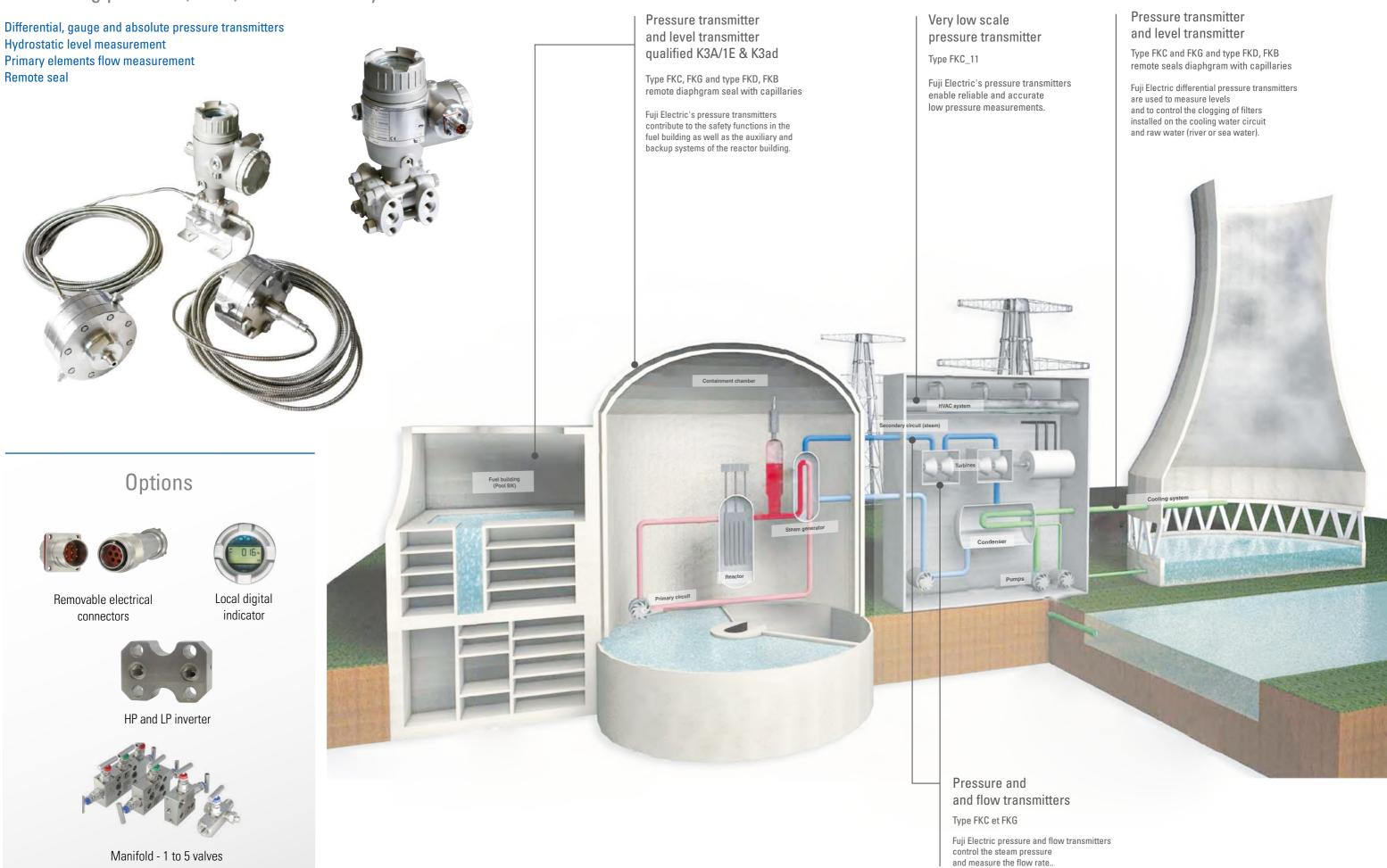
5 - High performance and reliable electronics: Smart, subjected to rigorous robustness tests or Analog, without any programmable digital components (irradiation, cybersecurity)

6 - Great diversity of process connections

Classic connections or remote seals: Flanges - OD 3/8 tube to be welded - screw adapter - flushing rings Materials according to the process fluid nature

Pressure transmitters

Measuring pressure, flow, level or density





9 reasons to require a "nuclear qualified" pressure transmitter for your projects

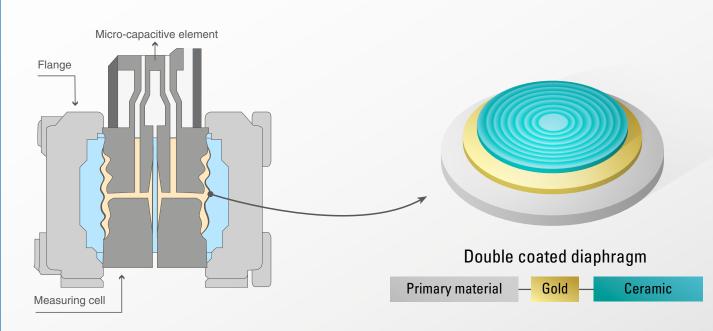
- Safety ratings
- RCC-E qualifications: NC, TAS, K3 or K3ad
- Ambient family & accidental thermodynamic profile
- I&C safety criteria
- Integrity or operability under seismic loads in accidental conditions
- Manufacturing traceability
- The conformity of the manufactured devices approved by quality standards
- Ensuring the provision of documentary deliverables
- Compliance with the project schedule

Hydrogen pressure measurement

How to prevent hydrogen from penetrating the transmitter diaphragms?

Fuji Electric's developed a unique hydro coating:

- Provides excellent protection against hydrogen permeation
- Minimises the generation of H+ ions and electrons from the galvanic reaction
- Allows accurate measurement over time





Fuji Electric France undertakes to set up an integrated management system based on continual improvement and in accordance with ISO 9001 and ISO 14 001 standards.

Fuji Electric France guarantees the quality and value of its products through compliance with rigorous standards.

Accreditations & certifications



Fuji Electric France

Customer satisfaction first

- High reliability and products excellence
- Competitive delivery times
- Reactive and efficient service
- Tailored industry solutions

Services

An experienced Technicians Team

Fuji Electric is available to assist you in the metrological follow-up and maintenance of your instruments.

Together, we devise a plan that is best suited to your industry, and our team remains at your disposal throughout the entire life cycle of the equipment as well as in energy optimisation of your processes, reduction of operating risks and increase in the added value of your plant.

The Fuji Electric team guarantees:

Assistance

Commissioning Maintenance

On-site calibration

Consultancy Engineering Expertise **Reactivity** Availability

Training

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Radiation monitoring

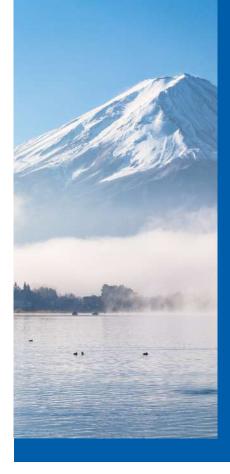
Assure workers safety

Neutron survey meter Electronic personal dosimeters









Fuji Electric's nuclear division offers measurement solutions for nuclear processes.

Nuclear power plants, research reactors, nuclear reactors for ships and submarines, nuclear fuel cycle management units, and nuclear power plant decommissioning operators use our measurement solutions to optimize the operation of their systems.

Our instruments are suitable for both new build and refurbishment of existing plants. We offer a complete range of instrumentation from pressure, level, flow, temperature, radiation measurement, and gas analysis.

Our measuring instruments are qualified and certified to guarantee the uninterrupted operation, safety and durability of your installations

Our know-how is based on technical expertise, cooperation and innovation developed with and for our customers.

Our instruments are designed, manufactured and gualified to meet the most demanding requirements. Our nuclear experts are your privileged contacts for solving the complex problems occuring in your specific applications.

Our quality service supports you in the supply of documentary deliverables to guarantee the traceability and conformity of the instruments. Enthusiastic, ambitious and attentive to your needs, we contribute to the creation of a sustainable society through our nuclear energy and environmental businesses.

Key figures

Fuji Electric Co., Ltd. Group Four business segments Annual production capability Power electronics systems: for energy and for industry 30 000 pressure transmitters Electronic devices Power generation Food and beverage distribution 27 million € turnover in 2021 Established in 1923 (As for March, 2021) 140 employees 8 billion € in 2 factories and 6 offices turnover 2021 (As for March, 2021) 27 790 employees 50 EMEA countries service sales networks 121 factories & sales agencies in 21 countries Products spread in 53 countries

F Fuji Electric

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