

ANALOG AND DIGITAL MEASURING TRANSDUCERS

A complete range covering all your measurement requirements

- Backed by 40 years' experience, designed and manufactured in France
- Communication with all systems (4-20mA, Modbus, IEC 61850, etc.)
- Product range suitable for harsh environments



Measure up

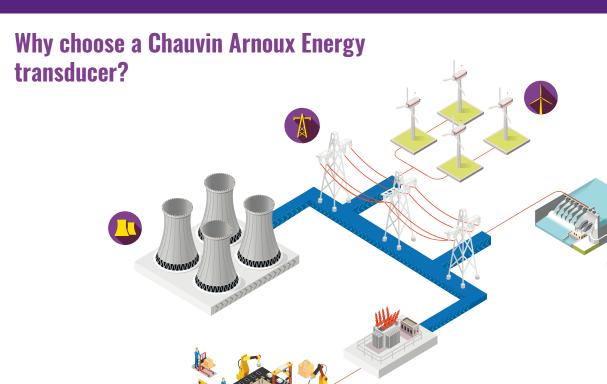
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TRIAD 2

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Electricity generation

Transducers accurately measure the electrical quantities at the output from the alternators of thermal, nuclear or hydro-electric power stations. They enable fine adjustment of the high active and reactive powers generated. Transducers also a play a key role in monitoring renewable energy generation installations between the power inverters and the connection to the grid.

Electricity transmission and distribution

Netter Haustan

Transducers are used in the transformer substation (e.g. 400 kV / 225 kV) to transmit to the dispatching center the electrical quantities (U, F, P, Q, etc.) needed to control electrical power transmission and distribution.

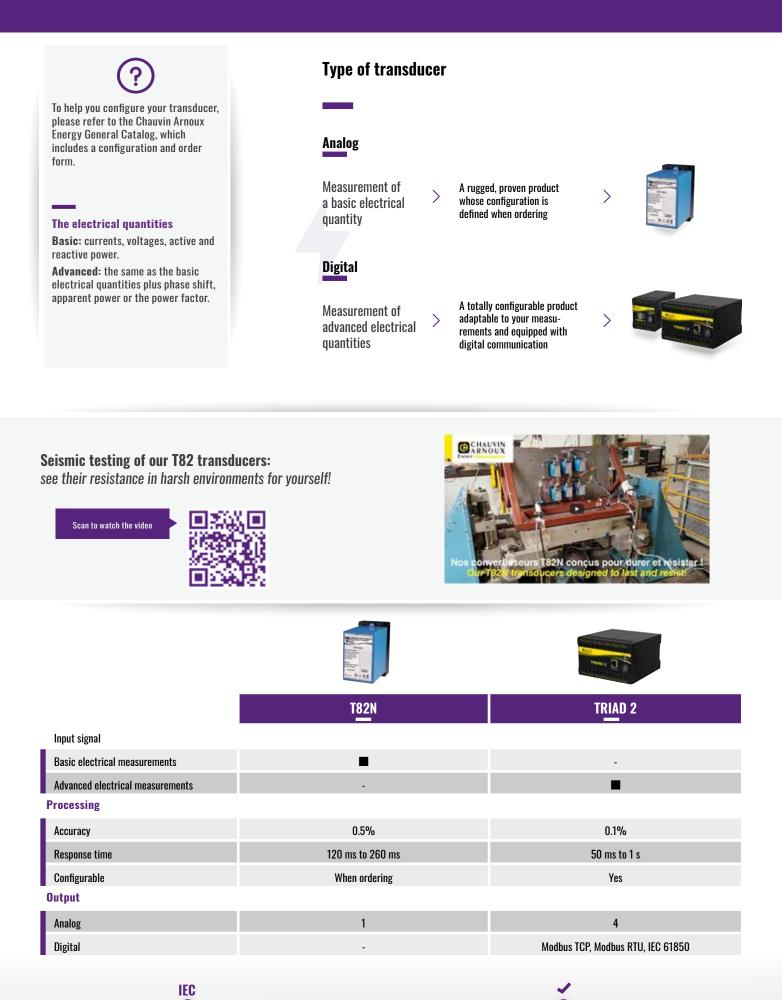


Electricity-intensive industries

Transducers are used to measure the electrical quantities (V, U, I, P, etc.) for control of the production facilities and/or specific monitoring of the power consumed by advanced industrial sites.

Chauvin Arnoux Energy has been building transducers since 1982 and has mastered all the phases from design through to manufacturing in its French factories There are more than 100,000 Chauvin Arnoux Energy transducers equipping power generation sites and substations in electricity distribution grids all over the world

100,000



Chauvin Arnoux Energy's transducers comply with the most demanding international reference standards, such as IEC 60688 and IEC 61000-6-5 (substation environment standard) A comprehensive transducers offering to cover all the measurement needs of your network or your site. Chauvin Arnoux Energy transducers can be delivered preconfigured to match your requirements.

Our offering

TRIAD 2 for advanced electrical *quantities*

- Accuracy class 0.1 as per IEC 60688
- Reinforced immunity for electrical substations (IEC 61000-4-5)
- Compatible with IEC 61850 via ELINK (communication gateway) and digital output available as an option (Ethernet / RS485)
- Configured when ordering or configurable using the **Triadjust 2 software**



- For single-phase and balanced three-phase networks
- 1 analog output



 For all electrical networks 4 analog outputs



IAR 1210B

RMS AC current



- Modernize your equipment's measurement protocol without calling into question your choice of a transducer
- Up to 20 transducers
- DNV.GL-certified



A tailored product configurable via your Triadjust application

With the TRIADJUST 2 software, you can quickly configure all the parameters of your TRIAD 2 as many times as you want.

- Configuration via optical head or Ethernet RS485
- Access to all the TRIAD 2 parameters
- Diagnosis of the installation
- Label printing on all types of laser printer

UAR 1210B

RMS AC voltage

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PAR 1232B

Active power

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Reference

EMBB 4005

EMBB 4004

QAR 1232B

Reactive power

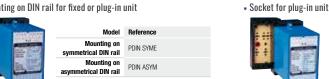
T82N for harsh environments

- Linear transfer curve
- Accuracy class 0.5
- Direct input or on CT
- IP 20, tropicalization option
- Operating temperature: -10... + 60 °C
- 2 mounting modes: fixed or plug-in

- Mounting on DIN rail for fixed or plug-in unit

IEC

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Use of T82 transducers with NormEurope analog panel meters

complete measurement line for viewing the electrical quantities in critical nuclear environments.



Mode

UAR 1210B

IAR 1210B

Type

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FRANCE

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