Our Transducer

Precision in focus:
Explore our world
of high precision
electronical devices

105 Years

For more than 40 years, we have been developing and manufacturing transducers in-house. In close cooperation with our development department, innovations are developed and made ready for series production, as well as customer-specific designs are realized.

With us, you can get your tailor-made solution even in quantities of one piece!

The range of our transducers includes types for current and voltage,
AC or DC, as well as for non-sinusoidal signals,
active and reactive power transducers for all types of networks as well as
frequency and power factor types.

Features of the product range:

- Power transducers for operation on frequency converters
- Current/Voltage types with True RMS
- Series 2.2 transmitters can be adjusted to your application and customised according to your requirements
- Versions without auxiliary supply
- Switchable dual output
- For standard applications the 2.3 series with excellent price/performance ratio
- Input, output and auxiliary voltage galvanically isolated from each other (3-way isolation), outputs short-circuit-proof and open-circuit proof
- Wide auxiliary supply range
- Customer-specific special solutions

Product overview:

Transducer for alternating current

A1U 2.2
A1U 2.3
AU 2.0

The A1U 2.2 is highly flexible and can be configured to meet customer-specific inputs. Input currents from 200 µA are possible, the frequency, the setting time and Accuracy class is selectable, as well as the auxiliary supply and outputs. Calibrated switchable dual output as standard.

The A1U 2.3 is the low-cost alternative for standard applications.

The AU 2.0 is for applications where no auxiliary supply is available.

Transducer for AC voltage

V1U 2.2
V1U 2.3
VU 2.0

The V1U 2.2 is highly flexible and can be configured to meet customer-specific inputs. Input voltage from 60 mV are possible, the frequency, the setting time and accuracy class is selectable, as well as auxiliary power and outputs. Calibrated switchable dual output as standard.

The V1U 2.3 is the low-cost alternative for standard applications.

The VU 2.0 is for applications where no auxiliary supply is available.

Transducer with TRMS

AUE 2.2
VUE 2.2

AUE 2.3
VUE 2.3

The AUE 2.2 or VUE 2.2 has the same features as the A1U/V1U 2.2 but in addition a TRMS measurement for non-sinusoidal signals and can be used with frequencies from 15-1000 Hz.
The AUE 2.3 and VUE 2.3 transmitters are intended for standard applications in which the inputs and outputs as well as the auxiliary voltage are already predefined.

Transducers for DC

AUD 2.2
VUD 2.2
TUA 2.2

AUD 2.3
VUD 2.3
TUA 2.3

The types AUD and VUD can be ordered for DC quantities from 200 µA and 60 mV respectively.
The TUA is the version for standard signal inputs for galvanic isolation.
Apart from that the devices have the same characteristics as the A1U 2.2.

The AUD 2.3, VUD 2.3 and TUA 2.3 transmitters are intended for standard applications in which the inputs and outputs as well as the auxiliary voltage are already predefined.

Product overview:

Active Power Transducer - Suitable for Frequency Converter Operation

EW 4.0
DGW 4.0
DUW 4.0
VGW 4.0
VUW 4.0

Our 4.0 power serie has been newly developed to be able to function reliable even with possible frequency converters..
The range of active power transducers includes types for
Single-phase alternating current (EW) networks as well as for 3-phase 3- or 4- wire system balanced or unbalanced load (DGW, DUW or VGW, VUW). The true 3-phase recording of current and voltage values ensures in all operating conditions absolutely reliable measuring values

Transducer for reactive power - Suitable for frequency converter operation

DGB 4.0
DUB 4.0
VGB 4.0
VUB 4.0

4.0 series reactive power types.

Frequency Transducer Transducer for phase angle (cos φ)

FU 2.2

Transducer for recording the frequency. Here are different measuring ranges between 45 Hz and 420 Hz possible

Transducer for phase angle (cos φ)

CU 2.2 E
CU 2.2 D

The transducers for measuring the phase angle ϕ between alternating voltage and alternating current for the single-phase alternating current (CU E) or 3-phase 3-wire system balanced load (CU D).

Measuring ranges:
ϕ : cap 0.8 ... 1 ... 0.8 ind
ϕ : cap 0.5 ... 1 ... 0.5 ind
or according to customer's requirements

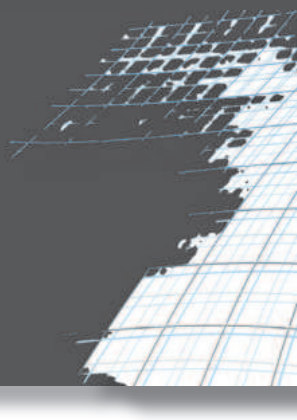
Transducer for temperature sensor PT 100

PTU

Our transducer is currently being redesigned to meet the latest standards.

...available from 1st quarter 2025

„Only what can be measured can be improved“



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