Transducer Features

- wide range of current and voltage outputs
- load independent output
- complete galvanic insulation of input/output and auxiliary voltage
- partial self-powered or with separate auxiliary voltage
- high linear output signal
- low burden on added transformers
- connection via blade receptacles 6,3x0,8mm

Standards

Our transducers are manufactured according to following standards:

general:	IEC 60688	environment standards:	IEC 60068; IEC 60654; IEC 60721
safety standards:	IEC 61010; VDE 0410		
protection:	IEC 60529		

Housing

Self-extinguishing ABS plastic housing according to following standards:
Protection class for housing: IP40
Protection class for blade receptacles: IP20

Operation

A wide range of input signals can be connected to the transducer. Depending on the input signal connection takes place directly or via suitable current transformers, voltage transformers and shunts.
Common design of transducers is self-powered, except for transducers with 4 up to 20mA output signal. These types of transducers need an auxiliary voltage (d.c. voltage or a.c. voltage). With an auxiliary voltage an application range from 0 up to 120% of the nominal value is ensured.
The housing is designed for 35-DIN-rail mounting according to DIN EN 50 022.

Special Options

- Tropical Design according to DIN 3540 page 2, climate class 3
- Shipbuilding Design
- nonstandard Input Signals
- nonstandard Output Signals
- Frequency 400 Hz

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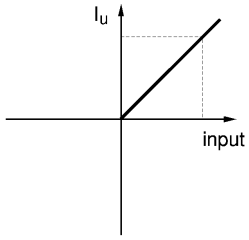
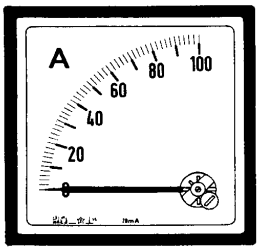
Transmission Behavior

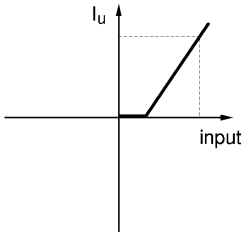
characteristic curve A:



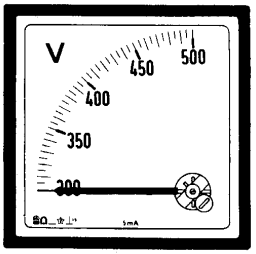
output	**0 - 5**	**mA**
	0 - 10	**mA**
	0 - 20	**mA**
	0 - 10	**V**



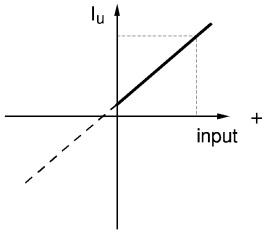
characteristic curve B:



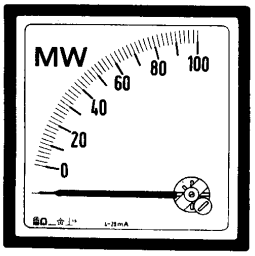
output	**0 - 5**	**mA**
	0 - 10	**mA**
	0 - 20	**mA**
	0 - 10	**V**



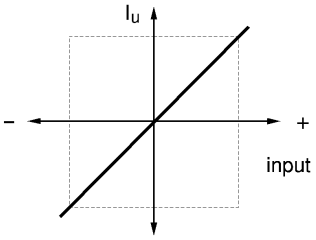
characteristic curve C:



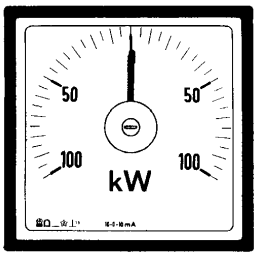
output	**4 - 20**	**mA**



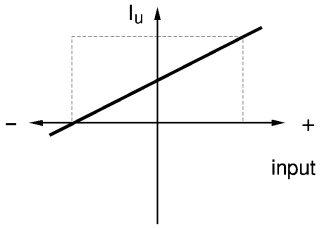
characteristic curve D:



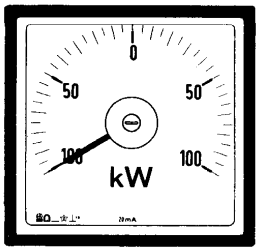
output	**2,5-0-2,5**	**mA**
	5 - 0 - 5	**mA**
	10 - 0 - 10	**mA**
	20 - 0 - 20	**mA**
	10 - 0 - 10	**V**



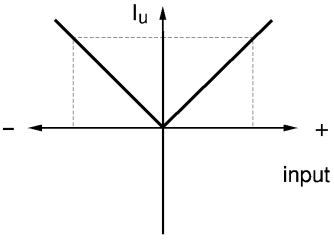
characteristic curve E:



output	**0 - 2,5 - 5**	**mA**
	0 - 5 - 10	**mA**
	0 - 10 - 20	**mA**



characteristic curve F:



output	**A1**	**0,0001, 10 Hz**	**+TTL**
	A2	**0,0001, 10 Hz**	**- TTL**
	B1	**0,0001, 10 Hz**	**+ relay**
	B2	**0,0001, 10 Hz**	**- relay**

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