DEIF A/S
Transducers

	Current Transducers, TAC-311DG	Current Transducers, TAC-321DG
	Ourrent transducer	To Cartent transducer
Size, DIN rail (mm):	55 × 75	55 × 75
Accuracy class:	0.5	0.5
Connection:	Single phase	Single phase
Measuring principle:	Average measurement	Average measurement
Measuring current:	1.07.25A AC (≤1.2VA)	01A AC (≤2.0VA) 05A AC (≤2.3VA)
Measuring voltage:	-	-
Measuring range:	0100% I nom	0100% I nom
Meas. frequency:	4565Hz	4565Hz
Output (0100%):	05, 010, 020mA DC, 010V DC Span adjustment ±20% of FS output Zero adjustment for all span adjustments	010, 020mA DC Span adjustm. +10% -20% of FS output
Output (20100%):	420mA, Output limit <22mA Span adjustm. ±20%, Zero adjustm. ±20%	÷
Output (±100%):	+	+
Auxiliary supply:	110/230/440V AC ±20% ≤2.5VA 24V DC -25/+30% ≤2W 48110, 88220V DC -25/+30% ≤2W	No separate auxiliary supply

	Voltage Transducers, TAV-311DG ***Comparison of the Comparison of	Voltage Transducers, TAV-321DG	
		•••••	
Size, DIN rail (mm):	55 × 75	55 × 75	
Accuracy class:	0.5	0.5	
Connection:	Single phase	Single phase	
Measuring principle:	Average measurement	Average measurement	
Measuring voltage:	57.7500V AC (≤0.3VA) 88132V AC (≤0.3VA)	57.7-500V AC (≤2.8VA)	
Measuring range:	0100% U nom/67100% U nom	0-100% U nom	
Meas. frequency:	4565Hz	45-65Hz	
Output (0-100%):	05, 010, 020mA DC, 010V DC Span adjustment ±20% of FS output Zero adjustment for all span adjustments	010, 020mA DC 010V DC Span adjustm. +10% -20% of FS output	
Output (20-100%):	420mA, Output limit <22mA Span adjustm, ±20%, Zero adjustm. ±20%	-	
Auxiliary supply:	110/230/440V AC ±20% ≤2.5VA 24V DC -25/+30% ≤2W 48110, 88220V DC -25/+30% ≤2W	No separate auxiliary supply	

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DEIF A/S **Transducers**

Selectable AC-transducers, **TAS-331DG**



Selectable AC-transducers, **TAS-311DG**



Olzo, Birt raii (min).	00.11	00.1
Accuracy class:	0.5	0.5
Connection:	Single phase and 3 phase network	Single pha

99 7 × 75

Measuring principle: RMS 57...690V AC <1VA Measuring voltage:

Size DIN rail (mm):

Output (20...100%):

Connection:

Measuring principle:

Measuring voltage:

Measuring range:

Output (20-100%):

0...P/Q - P/Q...0...P/Q

Measuring range: Meas. frequency: 20...80Hz

0...1mA, 0...5mA, 0...10mA, 0...20mA Output (0...100%): 0...1V, 0...5V 0...10V

> 0.2...1mA, 1...5mA, 2...10mA, 4...20mA 0.2...1V, 1...5V, 2...10V

Output (±100%): ±1mA, ±5mA, ±10mA, ±20mA, ±1V, ±5V, ±10V

Output (±10...100%): 0.1...1mA, 0.5...5mA, 1...0mA, 2...20mA 0.1...1V, 0.5...5V, 1...10V

57...690V AC/24...220V DC Auxiliary supply:

99 7 × 75

phase

RMS

57...690V AC <1VA

0...57V/690V, 0...0.5A/8A, 20...80Hz

20...80Hz

0...1mA, 0...5mA, 0...10mA, 0...20mA 0...1V, 0...5V 0...10V

0.2...1mA, 1...5mA, 2...10mA, 4...20mA 0.2...1V, 1...5V, 2...10V

> ±1mA, ±5mA, ±10mA, ±20mA ±1V, ±5V, ±10V

0.1...1mA, 0.5...5mA, 1...10mA, 2...20mA 0.1...1V, 0.5...5V, 1...10V

57...690V AC/24...220V DC

Selectable AC-transducers, **TAS-321DG**



Temperature transducers, **TEMAX-3**



Size, DIN rail (mm): 99 7 × 75

Accuracy class:

0.5 Single phase and 3 phase network 1.0

2-wire transducer for remote monitoring of 2, 3 or 4 temperatures

200 × 190, base mounting

RMS current with sign $PT100\Omega$ sensors, 2-wire 57...690V AC <1VA

-8/-0.5A...0.5/8A, 0...P/Q -P/Q...0...P/Q 0...150°C/0...200°C (other ranges on request)

20...80Hz Meas. frequency:

Output (0-100%): 0...1mA, 0...5mA, 0...10mA, 0...20mA 4...20mA

0...1V, 0...5V 0...10V

0.2...1mA, 1...5mA, 2...10mA, 4...20mA 0.2...1V, 1...5V, 2...10V

Output (±100%): ±1mA, ±5mA, ±10mA, ±20mA, ±1V, ±5V, ±10V Output (±10-100%): 0.1...1mA, 0.5...5mA, 1...10mA, 2...20mA

0.1...1V, 0.5...5V, 1...10V

13...36V DC Auxiliary supply: 57...690V AC/24...220V DC

Protection: IP65

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Transducers

DC/DC Insulation Amplifiers, TDG-210DG



Main function: Converting one type of DC signal into another DC signal, separating a number of earthing points, galvanic separation of

current signals, conversion of measuring signal, adaption of measuring range, separation of measuring circuits, measuring

on DC shunts or measuring of DC voltages.

Size, DIN rail (mm): 108 × 98.4

Accuracy class: 0.5

Connection: -

Measuring voltage:

Measuring principle:

Current standard input: Different ranges available within the limit of ±1-50mA

Voltage input: Different ranges available within the limit of ±60mV-400V

Measuring range: –

Meas. frequency:

Output (0...100%): 0...1mA, 0...5mA, 0...10mA, 0...20mA 0...1V, 0...10V

Output (20...100%): 0.2...1mA, 1...5mA, 2...10mA, 4...20mA 0.2...1V, 2...10V

Output (-100...0...100%): ±1mA, ±5mA, ±10mA, ±20mA, ±1V, 10V

Auxiliary supply, DC: 24...48...110...220V DC (2.5W) DC/DC Auxiliary supply, AC: 57.7...440V AC ±20%, 3.5VA (45...65Hz)

Multi-Transducers, MTR-2, MTR-2F



Size (mm): 100 × 75 (35 mm DIN-rail)

Main function:

Measurement of voltage, current, directional current, active-, reactive- and apparent power, CosPhi, frequency, THD, demand functions

Connection: Single phase, 3-phase 3-wire balanced load, 3-phase 4-wire balanced load, 3-phase 3-wire unbalanced

3-phase 4-wire balanced load, 3-phase 3-wire unbalanced load, 3-phase 4-wire unbalanced load

Accuracy class: 0.5

Output: 0 analogue, RS485 Modbus (MTR-2-015)
2 analogue, RS485 Modbus (MTR-2F-215)
3 analogue, RS485 Modbus (MTR-2-315)

Measuring current: -/1A or -/5A

Measuring voltage: 87...866V AC phase - phase

Auxiliary voltage, DC: 19...300V DC

Auxiliary supply, AC: 40...276V AC

Response time: MTR-2 <300 ms, MTR-2F <50 ms

Output types: All between -20...20mA and between -10...10V Example: 4...12...20mA or 0...1V

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4 analogue, RS485 Modbus (MTR-2-415)

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