

**DEIF A/S****Type certificate**

4124030061B

Type: Multi-transducer - MTR-2, MTR-2F**Technical specifications**

* Measuring Voltage:	50 to 500Vac phase to zero 87 to 866Vac phase to phase
Voltage overload:	1.5 x U _n continuously 2 x U _n , 1 sec.
* Measuring Current:	5A AC
Current overload:	2 x I _n continuously 20 x I _n , 1 sec.
* Measuring frequency:	50/60Hz (45...60Hz)
* Auxiliary supply	19-300V DC, 40-276V AC. Frequency 40-70Hz max. 3VA consumption
* Analogue outputs:	0-20mA and -10-10V
* Galvanic Separation:	500V between outputs 4kV between inputs and outputs 4kV between inputs and aux. supply 4kV between aux. supply and outputs
Accuracy:	
* Voltage Ph-N meas.	0.5% of range
* Voltage Ph-Ph meas.	1.0% of range
Voltage RMS	1.0% of range
* Current meas.	0.5% of range
* Frequency	0.2% of reading
* All power measurements	0.5% of range (both P, Q and S)
Power factor	0.2% of range
Phase angle	0.2% of range
Dynamic demand values	1.0% of range
Maximum demand values	1.0% of range

Type test specifications**Tested according to:**

Temperature	Reference: 0...50 °C Nominal: -10...55 °C Operating: -25...70 °C Storage: -40...70 °C Temperature coefficient: Max. ±0.2% of full scale per 10°	EN/IEC 60068-1/2
Overload tolerance		EN 60688
Climate:	0...95% RH, non-condensing	IEC 60068-1/2
Safety:	Cat. III, 300V poll.dg. 2	EN/IEC: 61010-1, 60688, 60695-2-2
EMC:	Immunity	EN 61000-6-1, EN 61000-6-2
	Emission	EN 61000-6-4
Vibration:	± 1mm/0,7g	IEC 60068-2-6
Shock:	50g	IEC 60068-2-27
Protection:	Unit: IP50	IEC/EN 60529

*) Tested on all units according to specifications. Remaining specifications are tested regularly by test sampling

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