



Checkout of the watt-hourmeter with current transformers (Section 1, 2)

Watt-hourmeter, type, characteristic, ktr	Mode of test	Calculated wattage, P <sub>c</sub> , kW	Calculated current, I <sub>c</sub> , A	Nominal current of the watt-hourmeter, I <sub>n</sub> , A	40% In.w, A	40% In.w, A	I <sub>tr</sub> = I <sub>c</sub> /K <sub>tr</sub>	Checking
NK 2303 APK1T 102MC 3+220/380, 5/10A Ktr=1500/5 =300	Working	439.41	614.22	5	2	2.27	I <sub>tr</sub> = 400In.w. (A)	2.27 ± 2A
	Minimal	50.56	85.35	5	0.25	0.44	I <sub>tr</sub> = 500In.w. (A)	0.28 ± 0.25A
NK 2303 APK1T 102MC 3+220/380, 5/10A Ktr=1500/5 =300	Working	547.70	765.58	5	2	2.83	I <sub>tr</sub> = 400In.w. (A)	2.83 ± 2A
	Minimal	62.88	106.33	5	0.25	0.35	I <sub>tr</sub> = 500In.w. (A)	0.35 ± 0.25A

Checkout of the watt-hourmeter with current transformers (Section 3, 4)

Watt-hourmeter, type, characteristic, ktr	Mode of test	Calculated wattage, P <sub>c</sub> , kW	Calculated current, I <sub>c</sub> , A	Nominal current of the watt-hourmeter, I <sub>n</sub> , A	40% In.w, A	40% In.w, A	I <sub>tr</sub> = I <sub>c</sub> /K <sub>tr</sub>	Checking
NK 2303 APK1T 102MC 3+220/380, 5/10A Ktr=1500/5 =300	Working	470.74	658.01	5	2	2.43	I <sub>tr</sub> = 400In.w. (A)	2.43 ± 2A
	Minimal	54.2	91.5	5	0.25	0.31	I <sub>tr</sub> = 500In.w. (A)	0.31 ± 0.25A
NK 2303 APK1T 102MC 3+220/380, 5/10A Ktr=1500/5 =300	Working	526.54	736.01	5	2	2.72	I <sub>tr</sub> = 400In.w. (A)	2.72 ± 2A
	Minimal	60.57	102.68	5	0.25	0.34	I <sub>tr</sub> = 500In.w. (A)	0.34 ± 0.25A

Note  
1. Provide the place for the watt-hourmeter for each section and from the transformer #3 power bar.  
2. Provide a place for the installation of automatic circuit breakers (2-nd turn).

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