

# Torroidal Current Transformers (Single Ratio) Models 170R and 180R

## Model 170R

Catalog Number	Current Rating ▲ (Amperes)	Relay Class	ANSI Metering Accuracy Class-60 Hz					DC Resistance (Ohms) at 25 °C	Weight	
			B0.1	B0.2	B0.5	B0.9	B1.8		lb	kg
170R-201	200:5	—	1.2	0.6	2.4	—	—	0.0298	3.8	1.7
170R-251	250:5	—	0.6	0.6	2.4	—	—	0.0430	3.8	1.7
170R-301	300:5	—	0.6	0.6	1.2	2.4	—	0.0517	3.8	1.7
170R-401	400:5	—	0.6	0.6	0.6	1.2	—	0.0488	3.9	1.8
170R-501	500:5	—	0.3	0.6	0.6	1.2	—	0.0963	4.0	1.8
170R-601	600:5	—	0.3	0.3	0.6	1.2	2.4	0.1156	4.0	1.8
170R-751	750:5	C10	0.3	0.3	0.6	0.6	1.2	0.1445	4.0	1.8
170R-801	800:5	C10	0.3	0.3	0.3	0.6	1.2	0.1541	4.1	1.9
170R-102	1000:5	C10	0.3	0.3	0.3	0.3	0.6	0.1927	4.1	1.9
170R-122	1200:5	C10	0.3	0.3	0.3	0.3	0.6	0.2312	4.2	1.9
170R-152	1500:5	—	0.3	0.3	0.3	0.3	0.6	0.2367	4.6	2.1
170R-162	1600:5	—	0.3	0.3	0.3	0.3	0.6	0.2525	4.6	2.1
170R-202	2000:5	—	0.3	0.3	0.3	0.3	0.3	0.3156	2.8	1.3
170R-252	2500:5	—	0.3	0.3	0.3	0.3	0.3	0.3885	4.2	1.9

Rating Factor 30 °C Ambient Temp. = 1.33, Rating Factor 55 °C Ambient Temp. = 1.0

▲ Ratios are based on one primary turn, with user-applied primary conductor. Refer to page 52 for other ratios using multiple primary turns or additional secondary turns.

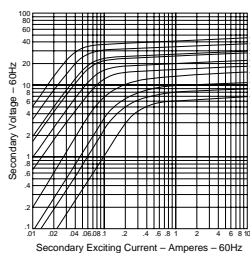
## Model 180R

Catalog Number	Current Rating ▲ (Amperes)	Relay Class	ANSI Metering Accuracy Class-60 Hz					DC Resistance (Ohms) at 25 °C	Weight	
			B0.1	B0.2	B0.5	B0.9	B1.8		lb	kg
180R-101	100:5	—	2.4	2.4	—	—	—	0.0273	3.0	1.4
180R-151	150:5	—	1.2	2.4	—	—	—	0.0409	3.0	1.4
180R-201	200:5	—	1.2	1.2	2.4	—	—	0.0505	3.1	1.4
180R-251	250:5	—	0.6	1.2	2.4	2.4	—	0.0631	3.2	1.5
180R-301	300:5	—	0.6	0.6	1.2	2.4	—	0.0757	3.3	1.5
180R-401	400:5	—	0.3	0.3	0.6	1.2	2.4	0.1091	3.3	1.5
180R-501	500:5	—	0.3	0.3	0.6	0.6	1.2	0.1261	3.4	1.5
180R-601	600:5	—	0.3	0.3	0.3	0.6	1.2	0.1514	3.6	1.6
180R-751	750:5	—	0.3	0.3	0.3	0.3	0.6	0.1892	3.6	1.6
180R-801	800:5	—	0.3	0.3	0.3	0.6	1.2	0.1620	3.6	1.6
180R-102	1000:5	—	0.3	0.3	0.3	0.6	0.6	0.1741	3.3	1.5
180R-122	1200:5	—	0.3	0.3	0.3	0.3	0.6	0.2089	3.4	1.5
180R-152	1500:5	—	0.3	0.3	0.3	0.3	0.3	0.2641	3.5	1.6

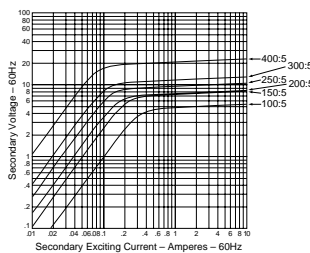
Rating Factor 30 °C Ambient Temp. = 1.33, Rating Factor 55 °C Ambient Temp. = 1.0

▲ Ratios are based on one primary turn, with user-applied primary conductor. Refer to page 52 for other ratios using multiple primary turns or additional secondary turns.

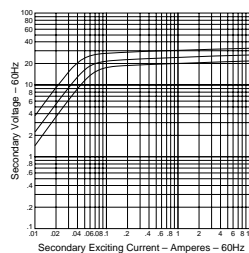
## Excitation Curves—Models 170R and 180R



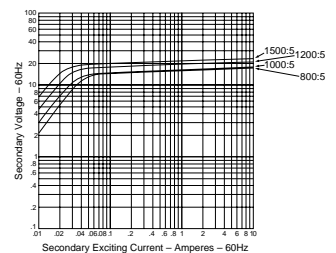
170R



180R



180R



180R

