

Power Analyzer/Logger - Current Probe Comparison Chart

(Some probe/meter combinations may read lower/higher than below but with unspecified accuracy. Refer to the meter's users manual for complete probe specifications.)

v0923

Meter + Probe	8333	8336	8436	8345	PEL 52	PEL 102/3/5
AC ONLY PROBES						
AmpFlex® 193 - 24/36-BK (AC Probe) (Output Signal: 47 μ Vac/Aac @60 Hz - 39.1 μ Vac/Aac @50 Hz)						
Min A	100 mA	100 mA	100 mA	100 mA	500 mA	200 mA
Max A	10,000 A	10,000 A	10,000 A	10,000 A	3600 A	12,000 A
Notes	-	-	See Note 2	-	-	See Note 2
MiniFlex® MA193/MA194 - 10/14/24-BK (AC Probe) (Output Signal: 47 μ Vac/Aac @60 Hz - 39.1 μ Vac/Aac @50 Hz)						
Min A	100 mA	100 mA	100 mA	100 mA	500 Ma	200 mA
Max A	10,000 A	10,000 A	10,000 A	10,000 A	3600 A	3000 A
Notes	See Note 1	See Note 1	See Notes 1, 2	See Note 1	See Note 1	See Note 1
MN93 - (AC Probe) (Output Signal: 5 mVac/Aac) (Inom=200 Aac)						
Min A	200 mA	200 mA	200 mA	200 mA	500 mA	500 mA
Max A	240 A	200 A	240 A	200 A	240 A	240 A
Notes	-	-	-	-	-	-
MN94 - (AC Probe) (Output Signal: 5 mVac/Aac) (Inom=200 Aac)						
Min A	n/a	n/a	n/a	50 mA	50 mA	n/a
Max A	n/a	n/a	n/a	200 A	240 A	n/a
Notes	-	-	-	-	-	-
MN193 (AC probe) (Output Signal: 5 A Range - 200 mVac/Aac; 100 A Range - 10 mVac/Aac) (Inom=5 Aac,100 Aac)						
5A Range - Min A	5 mA	5 mA	5 mA	5 mA	5 mA	5 mA
5A Range - Max A	6 A	6 A	6 A	5 A	6 A	6 A
100A Range - Min A	100 mA	100 mA	100 mA	200 mA	200 mA	200 mA
100A Range - Max A	100 A	100 A	120 A	100 A	120 A	120 A
Notes	See Note 3	See Note 3	See Note 3	See Note 3	See Note 3	See Note 3
SR193 (AC Probe) (Output Signal: 1 mVac/Aac) (Inom=1000 Aac)						
Min A	1 A	1 A	1 A	1 A	1 A	1 A
Max A	1000 A	1000 A	1200 A	1000 A	1200 A	1200 A
Notes	-	-	-	-	-	-
AC / DC PROBES (MR193/SL261 powered by 9v battery, E94 powered by meter)						
MR193 (AC/DC Probe) (Output Signal: 1 mVac/A) (Battery life ~100 h)						
AC - Min A	1 A	1 A	1A	1 A	n/a	1A
AC - Max A	1000 A	1000 A	1200 A	1000 A	n/a	1000A
DC - Min A	1 A	1 A	1 A	1 A	n/a	1A
DC - Max A	1300 A	1300 A	1200 A	1300 A	n/a	1000A
Notes	-	-	-	-	-	-
E94 (AC/DC Probe) (Output Signal: 10 A Range - 100 mVac/A; 100 A Range - 10 mVac/A) (Powered by meter)						
10A Range - Min A	n/a	n/a	n/a	20 mAac/dc	n/a	n/a
10A Range -Max A	n/a	n/a	n/a	10 Aac/dc	n/a	n/a
100A Range - Min A	n/a	n/a	n/a	200 mAac/dc	n/a	n/a
100A Range -Max A	n/a	n/a	n/a	100 Aac/dc	n/a	n/a
Notes	-	-	-	-	-	-
SL261 (AC/DC Probe) (Output Signal: 10 A Range - 100 mVac/A; 100 A Range - 10 mVac/A) (Battery life ~55 h)						
10A Range - Min A	100 mAac/dc	100 mAac/dc	100 mAac/dc	20 mAac/dc	n/a	50 mAac/dc
10A Range -Max A	10 Aac/dc	10 Aac/dc	12 Aac/17 Adc	10 Aac/dc	n/a	10 Aac/dc
100A Range - Min A	100 mAac/dc	100 mAac/dc	100 mAac/dc	200 mAac/dc	n/a	5 Aac/dc
100A Range -Max A	100 Aac/dc	100 Aac/dc	120 Aac/170 Adc	100 Aac/dc	n/a	100 Aac/dc
Notes	-	-	-	-	-	-

NOTES:

1 - Limited By Circumference of Flexible Sensor and Conductor Diameter. (10" = Max ~2.75" / 70 mm) (14" = Max ~4" / 110 mm) (24" = Max ~7.6" / 190 mm)

2 - AmpFlex® Model A196-18-BK (18") Needed To Maintain IP67 Waterproof Rating with Models 8436 and PEL 105

3 - The 5 A range is designed to work with the secondary of a current transformer (CT). Best accuracy is available when entering the transformer ratio (e.g. 13200/5 A).