

Following on from comments from another manufacturer that 'No Meters can measure accurately below 20%', we feel that the following information may be of interest to your customers:

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Current	Standard PF	Class 1 IEC 1036 1990	Class 1 EN 61036 1996	Class 0.5 EN 60521 1995	Class 0.5 EN 60687 1993
I _{max}	1	±1.0%	±1.0%	±0.5%	±0.5%
۱ _b	1	±1.0%	±1.0%	±0.5%	±0.5%
0.2 l _b	1	±1.0%	±1.0%	±0.5%	±0.5%
0.1 l _b	1	±1.0%	±1.0%	±0.5%	±0.5%
0.05 l _b	1	±1.5%	±1.0%	±1.0%	±0.5%
0.02 l _b	1		±1.5%		±1.0%
0.01 l _b	1				±1.0%
I _{max}	0.5	±1.0%	±1.0%	±0.8%	±0.6%
۱ _b	0.5	±1.0%	±1.0%	±0.8%	±0.6%
0.2 l _b	0.5	±1.0%	±1.0%	±0.8%	±0.6%
0.1 l _b	0.5	±1.5%	±1.0%	±1.3%	±0.6%
0.05 l _b	0.5		±1.5%		±1.0%
0.02 l _b	0.5				±1.0%

Summary of accuracy requirements for compliance with Standards

Typical Meter Accuracies at low Currents, PF = 1

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	Current	PowerRail 303	PM303	KWh Cube PowerCube	PowerRail 323	PM390	MultiCube	
	0.2 l _b	-0.2%	+0.2%	-0.2%	-0.3%	-0.10%	-0.1%	
	0.1 l _b	-0.2%	+0.1%	-0.2%	-0.3%	-0.02%	-0.2%	
	0.05 l _b	0.0%	-0.0%	-0.3%	-0.1%	+0.22%	-0.1%	
	0.02 l _b	+0.7%	+0.8%	0.0%	+0.7%	+0.59%	-0.8%	
	0.01 l _b	+1.4%	+3.0%	0.0%	+1.4%	+1.50%	-2.4%	
	0.005 l _b	n/a	n/a	n/a	n/a	+2.95%	n/a	

Typical Meter Accuracies at low Currents, PF = 0.5

Current	PowerRail 303	PM303	KWh Cube PowerCube	PowerRail 323	PM390	MultiCube
0.2 l _b	-0.4%	-0.0%	-0.3%	-0.4%	+0.16%	+0.4%
0.1 l _b	-0.1%	-0.4	-0.3%	-0.1%	+0.05%	-0.2%
0.05 l _b	+0.3%	-1.3%	-0.3%	+0.3%	+0.20%	-1.4%
0.02 l _b	+1.4%	n/a	0.0%	+1.4%	+0.80%	-4.7%
0.01 l _b	n/a	n/a	n/a	n/a	+1.43%	n/a

All errors quoted are as a percentage of reading