

Load Profile Scale Factor

KV2c

The kV2 Meter Load Profile Recorder can accumulate up to 32,767 pulses/interval.

Under some combinations of service connection, voltage, and interval length, pulse counts greater than this may be seen.

The Scale Factor may be programmed for a value from 1 to 10 to reduce the number of pulses stored.

The examples show maximum pulse counts for a 15 minute interval with a SF of 1.

Pulse Count for a Class 320 kV2c
with 320 amps applied for 15 minutes

Service	Voltage			
	120	240	277	480
1 ϕ 2W	12,800	25,600		51,200
1 ϕ 3W		25,600		51,200
P ϕ network	25,600			
P ϕ 3W Δ	22,170	44,341		88,681
P ϕ 4W wye	38,400		88,681	
P ϕ 4W Δ		42,466		84,933

Pulse Count for a Class 20 kV2c
with 15 amps applied for 15 minutes

Service	Voltage			
	120	240	277	480
1 ϕ 2W	9,000	18,000		36,000
1 ϕ 3W		18,000		36,000
P ϕ network	18,000			
P ϕ 3W Δ	15,588	31,177		62,354
P ϕ 4W wye	27,000		62,354	
P ϕ 4W Δ		31,177		62,354

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Load Profile Data Translation

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MMLP Reports automatically convert data to engineering units

Third party translation software (e.g. MV-90) may require a “pulse value” input.

Current Class (Amps)	120~480V (Wh/varh/VAh)	48~192V (Wh/varh/VAh)
20	0.05	0.02
200	0.50	0.20
320	0.75	0.30

NOTE: Pulse values shown assume the Scale Factor (SF) = 1

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