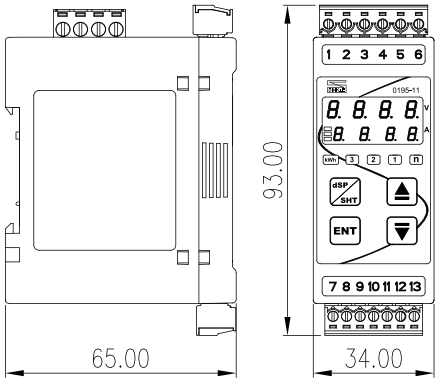


0195-1111

Rail-mounted Smart Meter



Communication : RS485



Specifications

Electrical specifications	Operating voltage	90~265VAC 50/60Hz or 18~60VDC
	Power consumption	AC : 5VA max. or DC : 2VA max.
	Measurement method	True RMS
	Sampling rate	128 point/cycle
	Connection Method	「1P2L」 / 「1P3C」 / 「1P3L」
		「3P3L」 / 「3P3C」 / 「3P4L」
	Input voltage	480VAC(V _{LN}) max.or 690VAC(V _{LL}) max.
	Current detection	1CT or 2CT or 3CT
	Input Current	0~100mA
	Operating environment	0 ~ 60℃ : 5 ~ 85%RH
	Degree of protection	IP-20
	Housing material	Intensive PC+ABS (UL-94V0)
	Dimensions	34mm×65mm×93mm

Measurements Data	Parameters	Accuracy	Resolution	Measuring range
	Voltage	±0.2%	0.1V	50~480VAC (V _{LN}) : 50~690VAC (V _{LL})
	Current	±0.2%	0.001A	0~100mA
	Active power (W)	±0.5%	0.1W	-19999999 ~ 99999999
	Reactive power (Q)	±0.5%	0.1V _{AR}	-19999999 ~ 99999999
	Active electricity (kWh)	Class 0.5S (IEC62053-22)	0.001kWh	-19999999 ~ 99999999
	Reactive electricity (kQh)	±0.5%	0.001kVarh	-19999999 ~ 99999999
	Power frequency (Hz)	±0.5%	0.1Hz	45.0 ~ 70.0Hz
	Power factor (PF)	±0.5%	0.01	-1.000 ~ 1.000

Display: V1 = V12 / V2 = V13 / V3 = V32

Input mode	Display block (kWh/kW)	Display block (V/A)
1P2L (1CT)	kWh → kW → CO ₂	Vn / A → Hz → PF
1P3L (2CT)	kWh → kWh1 → kWh3 → kW → kW1 → kW3 → CO ₂	V n / A → V1n / A1 → V3n / A3 → Hz → PF
1P3C (3CT)	kWh → kWh1 → kWh2 → kWh3 → kW → kW1 → kW2 → kW3 → CO ₂	Vn / A → V1n / A1 → V2n / A2 → V3n / A3 → Hz → PF
3P3L (2CT)	kWh → kWh1 → kWh2 → kWh3 → kW → kW1 → kW2 → kW3 → CO ₂	V / A → V1 / A1 → V2 / A2 → V3 / A3 → Hz → PF
3P3C (3CT)	kWh → kWh1 → kWh2 → kWh3 → kW → kW1 → kW2 → kW3 → CO ₂	V / A → V1 / A1 → V2 / A2 → V3 / A3 → Hz → PF
3P4L (3CT)	kWh → kWh1 → kWh2 → kWh3 → kW → kW1 → kW2 → kW3 → CO ₂	V / A → Vn / A → V1 / A1 → V1n / A1 → V2 / A2 → V2n / A2 → V3 / A3 → V3n / A3 → Hz → PF

Dimensions

