

NEW

C191HM

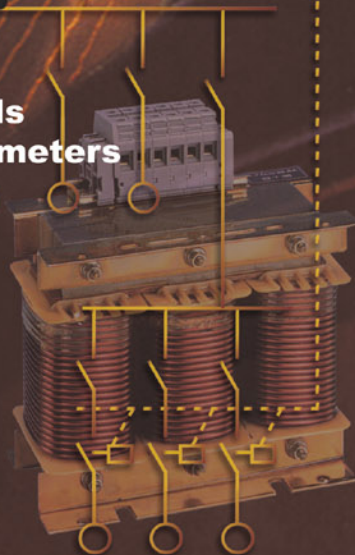
3-Phase Harmonic Manager Controller
and Energy Multimeter



**Measures, monitors and controls
individual harmonic and energy parameters**

- **Phase failure protection**
- **Low voltage protection**
- **Over current monitoring**
- **Setpoint control**

SATEC
Powerful Solutions



NEW C191HM



Class 0.5 Accuracy

Parameter	Reading%	Full Scale%
Voltage		0.3
Line current		0.3
Active power		0.4
Reactive power		0.4
Apparent power		0.4
Power factor		1
Frequency	0.02	
Neutral (unbalanced) current		0.6
Ampere demand		0.3
kW demand	same as for kW	
kVA demand	same as for kVA	
Active energy import & export	same as for power	
Reactive energy import & export	same as for power	
Apparent energy	same as for power	

Measurement error is typically much less than the maximum error specified here.



Ordering Information

C191HM - [] - [] - [] - []

Voltage Inputs

0* 690V AC Nominal Voltage Input
U 120V AC Nominal Voltage Input

Current Inputs

1 1 Ampere
5* 5 Ampere

Power Supply

ACDC* 90 - 264V AC and 85 - 290V DC
1DC 10 - 20V DC
2DC 20 - 38V DC
3DC 38 - 72V DC

Communication

0* RS-485
R2 RS-232

Programmable Analog Output

0 No Analog Output
A2 0 - 20 mA
A4 4 - 20 mA

* Standard

Example: C191HM - 0 - 5 - ACDC - 0 - A2

Includes all features of PM190EH, plus:

- Universal 3-phase system voltage input: 120V / 380V-415V / 690V
- Displays THD % and TDD% per phase, including programmable trips and alarms
- Displays odd harmonics till 39th harmonic
- Displays even harmonics via communications
- Programmable alarms and trips for each current or voltage harmonic
 - Output relay contacts: 5A, 250 volts
- Displays K-factor per phase current via communications
- Programmable alarms for transformers
 - Compact size 144 x 144 mm.



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