

**NEW**

# C191HM

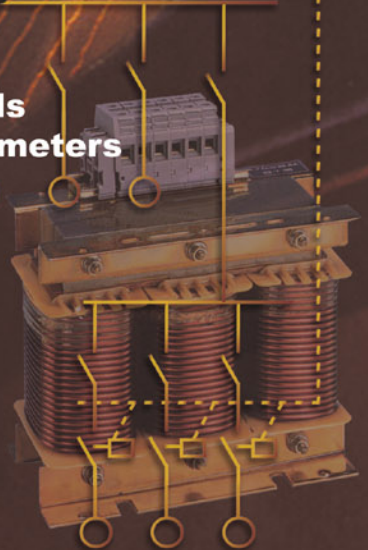
3-Phase Harmonic Manager Controller  
and Energy Multimeter



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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