



CM 2X, 3X & 4X

1 ϕ & 3 ϕ SURVEY/DIVERSION CHECK METER

The CM Universal Check Meter System's superior accuracy, compact size and radio communication assure more accurate, clandestine & lower cost diversion investigations and distribution line loss surveys.



Theft of service investigations often require the installation of a temporary "check meter" ahead of the billing meter to establish probable cause for a search warrant and/or to prove the extent of the energy diversion. UPC's CM 2, 3 & 4 Check Meters with the CMR Remote Reader has proven to be the most effective commercially available check meter for diversion investigations and line loss surveys. The CM's small size, light weight and clamp-on CTs and quick connection voltage terminals insure fast, inconspicuous installations without a tell tale power outage. And the CM's digital radio system makes periodic readings more covert and cost effective. Moreover, the CM meter is available with block interval demand, 15, 30 or 60 minute which can be set to the same period as the revenue meter.

CM Check Meter's features and benefits include:

- One meter type, the CM 4, will accurately meter virtually any singlephase or polyphase service.

Service	Type	Amperage: Std		Amperage: Opt		
		200	600	1200	1500	2000
1 ϕ 2w	CM 2	CM22	CM26	CM212	CM215	CM220
1 ϕ 27w, 3 ϕ 3w	CM 3	CM32	CM38	CM312	CM315	CM320
1 ϕ 27w, 3 ϕ 34w	CM 4	CM42	CM48	CM412	CM415	CM420

SPECIFICATIONS:

CM Singlephase/Polyphase Check Meter

Meter Services	CM2 1 ϕ 2w, 30/60 Hz, 120 thru 480V CM3 1 ϕ 2 or 3 W, 3 ϕ 3W, 30/60 Hz, 120 thru 480 V Δ or Y (star) CM4 1 ϕ 2 or 3W, 3 ϕ 3 or 4W, 30/60 Hz, 120 thru 480V Δ or Y (including 347/600 4W Y)
Measurement Element	Microprocessor with non-volatile memory
Accuracy	Meets or exceeds ANSI C.12.1.1992 Revenue Metering Accuracy Standards
Voltage Rating	108 to 528 volts
Current Range	200, 600, 1200, 1500, 2000 Amperes
Casing	Weatherproof, galvanized, 4X rated
Dimensions	6.5" X 3.5" X 2.14"
Weight	Meter: 8 oz. CT's: 8 to 88 oz. each
Temp. Range	40° to +85° C, operational
Transmitter	FCC & Industry Canada Certified
Range (in ft)	CMR II: 150 ft. CMR III & CPSA: to 300 ft., 150 meters

For CMR, & CPS specifications refer to their brochure

Specifications subject to change without notice.

- Compact size and light weight for quick, covert installation in the tightest enclosures, on distribution poles or mid-span.
- The standard internal radio transmits the CM's unique ID and kWh registration to *any* CMR Remote Reader.
- Readings can be made when needed from the ground on overhead services and external to most enclosure installations without alerting the suspect.
- The elimination of periodic readings involving line crews saves hundreds of dollars every reading plus reduces the possibility of line personnel testifying in legal actions.
- More frequent CM meter readings can speed investigations and accelerate revenue recovery.
- The CM's billing accuracy [certifiable on comparator test boards] insures CM results can be used for search warrant and court evidence.



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