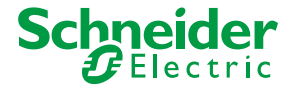


# PowerLogic™ Submetering

Life Is On



## Reduce commercial utility costs and accurately bill tenants with best-in-class submetering

Whether you are retrofitting an existing building or planning for new construction, Schneider Electric can meet your needs with a wide variety of high-quality revenue-grade submeters that offer more than just basic energy metering. With complete measurement and verification information, our reliable systems help you make the most of your energy by delivering accurate and timely information for your entire property portfolio.

Plus, all our meters work seamlessly with our PowerLogic™ Tenant Bill or Tenant Bill Pro solutions to easily create accurate invoices for your tenants based on their actual energy usage.

Choose from the broadest-range of meters and hardware in the industry:





- Single- and multi-circuit revenue-grade meters
- Choice of sensor types and communication options
- Variety of enclosures including custom

What's more, you can mix and match submeters as needed.

### Our performance promise

- **Quality:** Superior performance, accuracy, and reliability based on 100 years of experience
- **Innovation:** Advanced reporting, analysis, alarms, and integration capabilities
- **Value:** Choose from basic to advanced meters that are easy to specify, purchase, and install
- **Expertise:** Benefit from local technical specialists and 24/7 telephone support

# PowerLogic revenue-grade submetering selection guide

	Multi-Circuit					Single Circuit				
										
Features	EM4000	EM4800	Energy Meter	iEM3000 Series	EM3500 Series	PM5000 Series				
						PM5110	PM5330	PM5340	PM5500	
<b>Voltage configurations</b>										
Three-phase / single-phase	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •	• / •
Max direct voltage: L-N / L-L	277V/480V	277V/480V	277V/480V	277V/480V	347V/600V	347V/600V	347V/600V	347V/600V	347V/600V	347V/600V
Number of circuits: 2W / 3W / 4W or Delta	24 / 12 / 8	24 / 12 / 8	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1
Power supply options	AC	AC	AC	AC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC
<b>Digital I/O</b>										
Inputs (for WAGES and/or control)	2	2	0	1	Up to 2	0	2	2	2	4
Outputs (for pulse and/or alarm)	0	0	2	1	Up to 2	1	2	2	2	2
<b>Measurements</b>										
Sensor type: 0.333V, 80mA, 5A, Rogowski coil	• / • / - / -	• / • / • / -	• / - / - / -	• / - / - / •	• / - / - / •	- / - / • / -	- / - / • / -	- / - / • / -	- / - / • / -	- / - / • / -
Voltage, current, frequency, power factor	• / • / - / •	• / • / - / •	• / • / - / •	• / • / • / •	• / • / • / •	• / • / • / •	• / • / • / •	• / • / • / •	• / • / • / •	• / • / • / •
Energy: kWh, kvarh, kVAh	• / • / •	• / • / •	• / • / -	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •
Power: Present demand / peak demand	• / •	• / •	• / •	• / -	• / •	• / •	• / •	• / •	• / •	• / •
Bi-directional (4-quadrant) measurement	-	-	-	•	EM3555 only	•	•	•	•	•
Power quality: Harmonic distortion	-	-	-	-	-	•	•	•	•	•
Multi-tariff	-	-	-	4	-	-	4	4	4	8
ANSI energy accuracy class (% of reading)	0.5	0.5	1.0*	0.5	0.2	0.5	0.5	0.5	0.5	0.2
<b>Communications</b>										
RS485 serial: Modbus RTU / BACnet MSTP	• / -	- / -	• / -	• / •	• / •	• / -	• / -	- / -	- / -	• / -
Ethernet: ModBus TCP / BACnet IP	• / •	• / •	- / -	- / -	- / -	- / -	- / -	• / •	• / •	• / •
Ethernet to serial gateway	-	-	-	-	-	-	-	-	-	•
Dual protocol	•	•	-	-	-	-	-	•	•	•
Web server	•	•	-	-	-	-	-	-	-	•
V.90 modem port	-	•	-	-	-	-	-	-	-	-
On-board data logging with FTP	•	•	-	-	-	-	-	-	-	-
<b>Enclosures</b>										
NEMA enclosure type	1	1	1	1 or 4X**	4X	1 or 3R	1 or 3R	1 or 3R	1 or 3R	1 or 3R
Max number of units per enclosure	1	1	1	1, 4, 8, 24	1,4	1, 4, 8	1, 4, 8	1, 4, 8	1	1, 4, 8

See meter technical data sheets for additional details

\*System accuracy including CTs

\*\* Type 4X enclosure available in single unit and four unit sizes only

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