

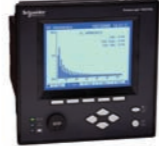
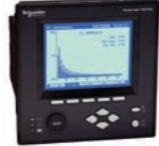






# PowerLogic high-accuracy energy and power quality metering for every distribution point<sup>1</sup>

- Ideally suited for use in all electrical environments and compatible with all PowerLogic software solutions.
- Standardised configuration, flexible customisation, modular I/O and communications, and remote display options.
- Support for international utility standards, form factors and protocols.

	Advanced revenue metering, energy metering and power quality analysis						Midrange energy metering and power quality analysis			Basic energy sub-metering			
													
Features <sup>2</sup>	ION8800			ION8600			ION7650	ION7550	ION7350	ION7330	ION7300	ION6200	
	A	B	C	A	B	C							
<b>Inputs, outputs and control power</b>													
3-phase / single-phase	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	
Digital in and out / analog in and out	16 /	16 /	16 /	16 / 4	16 / 4	16 / 4	20 / 8	20 / 8	8 / 8	8 / 8	4 / 8	2 /	
Power supply options	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	
<b>Power and energy measurements</b>													
Voltage, current, frequency, power factor	■	■	■	■	■	■	■	■	■	■	■	■	
Power, demand	■	■	■	■	■	■	■	■	■	■	■	■	
Energy / time-of-use (energy per shift)	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/	
IEC / ANSI energy accuracy class (% of reading)	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5	
Loss compensation	■	■	■	■	■	■	■	■					
<b>Power quality analysis</b>													
EN50160 compliance reporting / IEC 61000-4-30 Class A standard	■/■	■/■		■/			■/■						
Flicker measurement	■	■		■			■						
Transient detection / disturbance direction	■/			■/			■/■	/■					
Sag/swell monitoring	■	■	■	■	■	■	■	■	■	■	■		
Harmonic distortion: individual / total	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	/■	
Uptime (number of 9's) calculation	■	■	■	■	■	■	■	■					
Waveform capture	■			■			■	■	■				
<b>On-board data and event logging</b>													
Trending / forecasting / billing	■/ /■	■/ /■	■/ /■	■/ /■	■/ /■	■/ /■	■/■/■	■/■/■	■/ /■	■/ /■			
Minimum / maximum	■	■	■	■	■	■	■	■	■	■	■		
Events and alarms with timestamps	■	■	■	■	■	■	■	■	■	■			
Timestamp resolution (seconds)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			
Computer-serial time sync. / Ethernet NTP time sync.	■/	■/	■/	■/	■/	■/	■/■	■/■	■/	■/			
GPS time sync.: serial / IRIG-B / DCF-77	■/■/	■/■/	■/■/	■/■/	■/■/	■/■/	■/ /	■/ /					
<b>Setpoints, alarms and control</b>													
Log alarm conditions / call out on alarm	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/	■/			
Trigger data logging / waveform capture	■/■	■/	■/	■/■	■/	■/	■/■	■/■	■/■	■/			
Trigger relay or digital output	■	■	■	■	■	■	■	■	■	■			
<b>Special features</b>													
Custom programming: arithmetic / boolean / modular	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/■/■	■/ /	
Downloadable firmware	■	■	■	■	■	■	■	■	■	■	■		
<b>Communications</b>													
Ports:	Ethernet 10BaseT / 10BaseFL / 100BaseTX / 100BaseFX	■/■/ /	■/■/ /	■/■/ /	■/■/ /	■/■/ /	■/■/ /	■/■/■/■	■/■/■/■	■/ / /	■/ / /	■/ / /	
	Ethernet-to-serial gateway	■	■	■	■	■	■	■	■	■	■		
	Telephone modem	■	■	■	■	■	■	■	■	■	■		
	Modem-to-serial gateway	■	■	■	■	■	■	■	■	■	■		
	Infrared	■	■	■	■	■	■	■	■	■	■		
	RS485 / RS232	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/■	■/	■/	■/	
	Web server / email / SNMP / XML	■/■/ /■	■/■/ /■	■/■/ /■	■/■/ /■	■/■/ /■	■/■/ /■	■/■/ /■	■/■/ /	■/■/ /	■/■/ /	■/ / /	
	Protocols: Modbus™ / DNP / MV-90 / DLMS <sup>3</sup>	■/■/■/■	■/■/■/■	■/■/■/■	■/■/■/	■/■/■/	■/■/■/	■/■/■/	■/■/■/	■/■/■	■/ / /	■/ / /	

<sup>1</sup> This is not a complete list of meter models, features and specifications; please refer to the PowerLogic website, catalogue, technical data sheets or product brochures for more detail.

<sup>2</sup> Specifications represent maximum capabilities with all options installed; some options are not available concurrently. <sup>3</sup> ION8600, ION7650, ION7550 offer Modbus Master capabilities.