

AC Current Models

AC/DC Voltage Models



CAT. #	Model L411	Model L412	Model DL913	Model L461	Model L261
ELECTRICAL					
Measurement Type	AC Current			AC / DC Voltage	
Number of Channels	1	2 (L1, L2)	3 (L1, L2, L3)	1	
Probe / Sensor Type	1 Integrated 14 in MiniFlex® sensor	Compatible with: <i>Probe – Max Range</i> SR193-BK – 1000 A _{AC} MiniFlex® – 3000 A _{AC} MN193-BK – 25,000 A _{AC} ⁽¹⁾ AmpFlex® – 3000 A _{AC} MN93-BK – 200 A _{AC} MN94 – 200 A _{AC}	3 Integrated 24 in MiniFlex® sensors	4 mm banana jacks (<i>test leads included</i>)	
AC Current Range	(0.4 to 3600) A _{AC}	10 mA to 25,000 A _{AC} (<i>sensor dependent</i>)	(300 or 3000) A (<i>selectable range</i>)	N/A	
AC Voltage Range	N/A			(10 to 1200) V _{AC}	(5 to 600) V _{AC/AC+DC}
DC Voltage Range	N/A			(10 to 1700) V _{DC}	N/A
Frequency Range	(45 to 65) Hz		(50/60) Hz	(45 to 65) Hz	(50/60) Hz
Sampling	200 ms aggregation periods				64 samples / cycle
USER INTERFACE					
Display	Custom LCD Blue back light				5 LED status indicators (<i>no LCD display</i>)
User Interface	7-button menu navigation		5-button menu navigation	7-button menu navigation	1-button PRESS control
Real-Time Display	Yes (<i>current & frequency</i>)	Yes (<i>dual-channel current & frequency</i>)	Yes (<i>3-channel current & frequency</i>)	Yes (<i>voltage & frequency</i>)	No display (<i>LEDs only</i>)
CONNECTIVITY					
USB	Yes				
Wi-Fi (<i>AP & Router Modes</i>)	Yes				N/A
Built-in Web Server	Yes				N/A
DataViewSync™	Yes				N/A
Software	DataView® / DL Control Panel (<i>included</i>)				DataView® / Simple Logger® II Control Panel (<i>included</i>)
MEMORY & RECORDING					
Internal Memory	8 GB (<i>internal μSD</i>)				512 KB flash (<i>~ 240,000 measurements</i>)
Separate Recording Sessions	Up to 200 sessions		Limited by available memory	Up to 200 sessions	> 20 sessions
Max Recording (<i>battery, Wi-Fi off</i>)	Normal: ~3 days Extended: up to ~10 weeks ⁽²⁾		Up to ~2000 days capacity	Normal: ~3 days Extended: up to ~10 weeks ⁽²⁾	100 h to 45+ days (<i>storage-rate dependent</i>)
Recording Aggregation / Storage Rate	1 s to 60 min (<i>selectable</i>)		Normal: 1 s Extended: 15 s to 1 min intervals	1 s to 60 min (<i>selectable</i>)	125 ms to 1 per day (<i>programmable</i>)
Recording Modes	Normal / Extended				Start / Stop, FIFO, XRM™ (<i>Continuous overwrite</i>), Alarm
Data Trending	Snapshot / Aggregated				Snapshot Only
Min / Max Capture	Yes				N/A
POWER					
Battery Type	(3) AA alkaline		NiMH rechargeable pack (4.2 A-h, 10 h charge time)	(3) AA alkaline	(2) AA alkaline
External / USB Power	Yes				USB data only (<i>no USB power input</i>)
GENERAL					
Mount	Built-in magnetic mount		Mounting Bracket	Built-in magnetic mount	N/A
Ingress Protection	IP 54 (<i>logger body</i>) IP 67 (<i>sensor</i>)	IP 54 (<i>not operating</i>) IP 20 (<i>in use</i>)	IP 67 (<i>with USB cap on, cover closed</i>)	IP 54 (<i>not operating</i>) IP 20 (<i>in use</i>)	IP 40
Safety	600 V CAT IV, 1000 V CAT III	Sensor dependent	600 V CAT IV, 1000 V CAT III	1000 V CAT IV, 1500 V _{DC} CAT III	600 V CAT III, 300 V CAT IV
Warranty	2 years				
APPLICATIONS					
Primary Use Case	Single-circuit AC current trend logging	Dual-circuit AC current trend logging & balance studies	3-phase AC current logging; outdoor / panel-mount installations	Distribution / solar PV AC & DC voltage monitoring	Single-circuit AC/DC voltage or current spot logging
Typical Applications	Motor, HVAC, feeder single-circuit monitoring	Transformer, UPS, generator load comparison	3-phase distribution panels, outdoor substation trending	Utility feeder, MV distribution, solar DC bus	Branch circuit voltage, & DC bus spot checks

⁽¹⁾ 25,000 A when measuring CT secondaries with a configured ratio, ⁽²⁾ Recording aggregation set to 15 minutes