

### AC Current Models



### AC/DC Voltage Models



	Model L411	Model L412	Model DL913	Model L461	Model L261
CAT. #	2153.52	2153.53	2153.61	2153.54	2126.05
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 <sub>AC</sub> MiniFlex® – 3000 A <sub>AC</sub> MN193-BK – 25,000 A <sub>AC</sub> <sup>(1)</sup> AmpFlex® – 3000 A <sub>AC</sub> MN93-BK – 200 A <sub>AC</sub> MN94 – 200 A <sub>AC</sub>	3 Integrated 24 in MiniFlex® sensors	4 mm banana jacks ( <i>test leads included</i> )	
AC Current Range	(0.4 to 3600) A <sub>AC</sub>	10 mA to 25,000 A <sub>AC</sub> ( <i>sensor dependent</i> )	(300 or 3000) A ( <i>selectable range</i> )	N/A	
AC Voltage Range	N/A			(10 to 1200) V <sub>AC</sub>	(5 to 600) V <sub>AC/AC+DC</sub>
DC Voltage Range	N/A			(10 to 1700) V <sub>DC</sub>	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 &amp; frequency</i> )	Yes ( <i>dual-channel current &amp; frequency</i> )	Yes ( <i>3-channel current &amp; frequency</i> )	Yes ( <i>voltage &amp; frequency</i> )	No display ( <i>LEDs only</i> )
CONNECTIVITY					
USB	Yes				
Wi-Fi ( <i>AP &amp; 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 <sup>(2)</sup>		Up to ~2000 days capacity	Normal: ~3 days Extended: up to ~10 weeks <sup>(2)</sup>	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 <sub>DC</sub> 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

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