DATA SHEET

DRV3*Lite* Digital Leakage Receiver &
DSG1*Lite* Digital Signal Generator

- Cost-effective dual-band leakage meter and signal generator
- Advanced in-home shielding integrity testing (pressure test /system test)
- Frequency-agile in the mid-band (118 to 140 MHz) and LTE-band (600 to 860 MHz)
- Advanced in-home shielding integrity testing
- Audible squelch increases as you move closer to the leakage event
- Real-time RF level display of dual frequencies in split screen
- Bluetooth connectivity to third-party devices

The **DRV3 *Lite*** is a digital leakage receiver designed to operate in all-digital and hybrid cable networks. It operates as a portable find-and-fix meter for the installation or service technicians.

The **DSG1 *Lite*** dual-band digital signal generator inserts either a low or a high-level signal at the drop cable in order to locate the smallest “hard-to-find” sources of leaks.

SPECIFICATIONS

	DSG1 *Lite*
	DETAILS
Modulator type	Dual-band digital signal modulator
Output type	Single “F” 75 Ω female connector
Frequency output 1 of 2	Fixed at 126 MHz (mid-band)
Frequency output 2 of 2	Fixed at 612 MHz (LTE-band)
Frequency stability	±5 KHz
Modulated signal	32 Hz AM tag
Output level from each RF output	High: 50±2 dBmV at 126 MHz / 50±2 dBmV at 612 MHz Low: 30±2 dBmV at 126 MHz / 30±2 dBmV at 612 MHz
Transmission status display	Through an illuminated power button
Power adapter	+12 VDC 1.2 A max
Battery	Pack of 2 rechargeable 7.2 VDC lithium-ion batteries of 2000 mAh ~0.3 A
AC Battery Charger	Input 100-240 VAC ~50-60 Hz 0.7A Output: +12 VDC 1.66 A Transient overvoltage II Rated pollution degree 2
Main supply voltage fluctuations	Up to ±10% of the nominal voltage
Operation Time	10 hrs. Continuous on battery power
Operating temperature*	-20°C to +40°C (-4°F to +104°C)
Charging temperature*	0°C to 45°C (32°F to 110°C)
Battery charge time	2.25 hrs. for full charge
Storage temperature	-20°C to +45°C (-4°F to +113°C)
Maximum relative humidity	80% for temperatures up to 31°C (88°F) decreasing linearly to 50% relative humidity at 40°C (104°F)
Dimensions	4 cm x 12 cm x 13 cm / 1.5” x 4.7” x 5.1” [H x W x D]
Weight	500 g / 17 oz
Recommended use	Indoor use or outdoor use without exposure to direct sunshine or a wet location

* *Specifications subject to change without prior notice.*

	DRV3 *Lite*
	DETAILS
Detector type	Dual-band digital receiver/demodulator
Channel tuning	Configurable via USB port and/or Bluetooth
Frequency range	Agile from 118 to 140 MHz (mid-band)
Frequency range	Agile from 600 to 860 MHz (LTE-band)
Tuning resolution	100 Hz
Level range	2 to 4,000 µV/m @ 3 meters (mid-band) 5 to 4,000 µ/Vm @ 3 meters (LTE-band)
Measurement units	µV/m and dBuV/m
Level accuracy	±1.5 dB (mid-band) ±2.5 dB (LTE-band)
Communication port	USB serial port and Bluetooth
Adjustable audible tone	Yes, varies with leak intensity. Can be muted
System tag	AM modulation 20-110 Hz DSB-SC modulation 3480-7000 Hz Video NTSC (mid-band only)
Level scale display	Single scale from 0 to 4,000 µ/Vm
Operation Time	6 hrs. continuous on battery power
Operating temperature*	-20°C to +40°C (-4°F to +104°C)
Charging temperature*	0°C to 45°C (32°F to 110°C)
Battery charge time	2.25 hrs. for full charge
Storage temperature	-20°C to +45°C (-4°F to +113°C)
Maximum relative humidity	80% for temperatures up to 31°C (88°F) decreasing linearly to 50% relative humidity at 40°C (104°F)
Dimensions	17 cm x 8 cm x 6.7 cm / 6.7” x 3.1” x 1.6” [H x W x D]
Weight	450 g / 16 oz

* Specifications subject to change without prior notice.

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