

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.

HIGHLIGHTS

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
(cellular phone, tablets)



SPECIFICATIONS

DSG1 Lite

| ELECTRICAL | 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 V ~50-60Hz 0.7 A 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) |
| PHYSICAL | Details |
| 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 |
| ORDERING INFO | P/N |
| DRV3 Lite, DSG1 Lite receiver and signal generator | 150-00032-200 |
| AC/DC adapter | 110-00005-001 |
| DSG1 Lite user manual | 110-00010-001 |
| DRV3 Lite user manual | 100-00009-001 |
| DRV3 Lite +12 VDC power supply | 110-00010-001 |
| DRV3 Lite battery pack | 008-00006-001 |
| DRV3 Lite mid-band rubber duck antenna (SMA connector) | 111-00031-001 |
| DRV3 Lite - Lite digital leakage receiver | 150-00033-001 |
| Soft carrying case | 113-00007-001 |

DRV3 Lite

| ELECTRICAL | 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 μV/m @ 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) |
| RF level scale display | Single scale from 0 to 4,000 μV/m |
| 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) |
| PHYSICAL | Details |
| 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.



TECHNICAL SUPPORT TEAM

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