

The **DRV3** portable digital leakage receiver is a dual-band/function meter that detects and records egress events during the vehicle drive-outs. The technicians can also grab it out from the vehicle cradle and use it in a find-and-fix mode to precisely locate the egress points. Closing out events is made easy, as the receiver records leaks and updates CPAT CONNECTIONS database with customized 'close' codes for reporting and trending purposes.

HIGHLIGHTS

Agile between 118-140 MHz (mid-band) and 572-960 MHz (LTE-band)

No MER/BER impairment to adjacent QAM carriers

Real-time RF spectrum mode, and level display of dual-frequencies in split-screen

Egress measurement sampling four times per second

Accurate GPS location of egress impairments within meters

Analog video, QAM, DOCSIS 3.1, OFDM, and R-PHY compatible



SPECIFICATIONS

DRV3

ELECTRICAL	Details
Detector type	Dual-band digital receiver/demodulator
Frequency range	Agile from 118 to 140 MHz (mid-band) Agile from 572 to 960 MHz (LTE-band)
Chanel tuning	Configurable via USB port and by front panel buttons
Tuning resolution	100 Hz
Level range	2 to 4,000 $\mu\text{V}/\text{m}$ @ 3 meters (mid-band), 5 $\mu\text{V}/\text{m}$ to 4,000 $\mu\text{V}/\text{m}$ @ 3 meters (LTE-band)
Level accuracy	± 1.5 dB mid-band ± 2.5 dB LTE-band
System tag	AM modulation 10-110 Hz DSB-SC modulation 3,500-7,000 Hz Video NTSC (mid-band only)
Audible tone	Yes, varies with leak intensity
Adjustable audio volume	Yes, variable
RF level scale display	Single scale from 0 to 4,000 $\mu\text{V}/\text{m}$
Measurements units	$\mu\text{V}/\text{m}$ and dBuV/m
Power	Pack of 2 rechargeable Li-ion cells, 3,100 mAh
Operating time	2.5 hours nominal (both tuners activated) or 4.0 hours nominal (one tuner activated)
Charging temperature	0°C to 45°C / 32°F to 113°F
Communication port	USB serial port
Operating temperature	0° to +40° C / 32° to +104° F

PHYSICAL	Details
Dimensions [H x W x D]	21 cm x 11 cm x 4 cm / 8.3" x 4.3" x 1.6"
Weight	850 g / 30 oz

DOCK STATION	Details
Dimensions [H x W x D]	24 cm x 12.5 cm x 8 cm / 9.4" x 4.9" x 3.2"
Weight	240 g / 9 oz

* Specifications subject to change without prior notice.

ORDERING INFO	P/N
DRV3 - Portable digital leakage receiver	150-00031-752
Includes:	
110-220 VAC to 12 VDC adaptor	110-00005-001
+12 VDC power supply and battery pack	100-00010-001
ARD4/DRV3 USB interconnect ion cable	036-00020-001
Rubber duck antenna (118-140 MHz)	111-00022-001
Rubber duck antenna (698-806 MHz)	111-00035-001
DRV3 - Uni-flex mount and docking station	012-00020-001
DRV3 - User manual	100-00001-001

ACCESSORY OPTIONS	P/N
Vehicle magnetic-mount antenna BNC (118-140 MHz)	112-00004-100
Vehicle magnetic-mount antenna BNC (572-960 MHz)	112-00009-100

RELATED ITEMS	P/N
ARD4 - Autonomous recording device	150-00020-100



TECHNICAL SUPPORT TEAM

T + 1-888-495-6577 F + 1-514-495-4191 cpata@effigis.com

