ADR Sabre
Portable Traffic Counter/Classifier

The Oriux ADR-Sabre is a giant leap forward for portable, automated traffic data recording and analysis. It is a versatile, low cost solution for almost any vehicle study or sensor technology.

Based on the robust design concepts of the industry leading Oriux ADR product family, Sabre provides greatly expanded features and enhanced performance including:
• BIN, PVR and time stamped event data
• USB and high speed serial communications
• Large internal memory plus add up to 4GB
• Highly energy efficient for extended field use
• Large display and simple interface menu.

The ADR-Sabre supports all existing Oriux sensor boards including Loops, Piezos, WIM, and Contact Closure making it the ideal counter to use in all types of portable or permanent traffic study locations.

The ADR-Sabre supports multiple simultaneous study setups. Using event records, an "unlimited" variety of studies can be produced on Sabre itself. Sabre is compatible with Viper and Vision software for advanced processing and reporting.

The evolution of **PEEK**

Features
& Benefits

- Application
  - Single or multilane
  - "Any" study: volume; class; speed; WIM; etc.
- Memory
  - Standard internal fixed memory: 16MB
  - Expandable memory opt.: SD card up to 4GB
- USB
  - Device port connects to Windows based com
  - Host port allows "thumb drives"
- High speed electronics and advanced firmware for very high-resolution data to 0.01 ft. and 0.01 mph
- Direct Interface
  - Large LCD display
  - Easy to use keypad
  - Simplified menu system enhances setup and control
- Inputs
  - 4 moisture protected air switches- standard
- 12 sensor inputs to include loops, piezos, WIM and Contact Closure
- Very low power consumption & fast battery charge
- Direct and simple upgrade in ADR1000 chassis
- Data
  - BIN – summarized (binned) data based
  - PVR – detailed "per vehicle record"
  - Event – time stamped detail for each event
- Unlimited post processing
- FHWA Scheme "F" or user-defined classification
- Serial and USB communication

Specifications

Housing	Rugged, stackable, interlocking weather resistant cast aluminum with integral handle plus brass lock & two keys
Dimensions	5.25"H x 8.5"W x 10.5"D (135mm x 215mm x 270mm)
Temperature	-40°F to +165°F (-40°C to +74°C)
Display	8 lines by 40 characters LCD
Inputs	4 water-barrier air switches (Up to 12 sensor inputs to include Loop, Piezo, Contact Closure, and WIM)
Recording Interval(s)	1, 2, 5, 6, 10, 15, 30 & 60 min. 2, 3, 6, 12 and 24 hours
Study period Preset	24, 48, or 72 hours 7 day, continuous, or daily
Memory	16MB fixed (serial flash) Expandable up to 4GB (SD)
Autonomy	Up to 6 months with road tubes
Power	6 volt, 10 amp-hr. rechargeable sealed lead-gel battery Communication
Communication	Up to 115,2000 bps

Support
Software

The ADR-Sabre is compatible with VIPER, the next generation of Oriux data processing and polling software. VIPER works with most modern communication protocols, and is intended to automate data collection and processing. After collection, data from one or more files can be automatically processed into a variety of formats, including TMG, PRN, XML, and XLS, based on user definable criteria. Automatic data verification and synchronization are also supported.
The ADR-Sabre is also compatible with Vision. Similar to the Viper software, Vision is intended to be a Technician software allowing for the remote programming, monitoring, and manual data retrieval of Study data.