

ADR Sabre

Portable Traffic Counter/Classifier



The Peek 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 PEEK 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 presently supports road tube input. In this configuration, Sabre's advanced electronics and firmware enable a dramatic improvement in classification accuracy plus months of field use on a single battery charge.

- 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
- Will support other sensors in near future
- 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 communications

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 PEEK's TOPS and Viper software for advanced processing and reporting.

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 (Future support for contact closure, loops, piezo 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	Up to 115,200 bps

Software

Traffic Operations Processing Software (TOPS), a Windows compatible software package, provides the user with the ability to process and format the data retrieved from the ADR-Sabre. Multiple users can access data from various locations to compile daily, weekly, or monthly reports.

The ADR-Sabre is also compatible with VIPER, the next generation of Peek 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.

Support

If needed, the ADR-Sabre will receive industry leading PEEK technical support.

Warranty

Peek Traffic warrants this product against manufacturing defects in materials and workmanship for two years from date of shipment from Peek Traffic. Specific contracts and regional laws may vary or alter these terms.



Peek Traffic Corporation
A Signal Group Company
2906 Corporate Way
Palmetto, FL 34221
(941) 845-1200 | (800) 245-7660
www.peaktraffic.com

About Signal Group – covers a broad range of quality turnkey traffic control products and services. Signal Group products have helped to make motorists around the world safer and their travels more pleasant and efficient. This expertise, experience, and breadth of product lines has made Signal Group one of the most respected and recognized leaders in the traffic control marketplace. The information contained in this publication is presented for informational purposes only, and while every effort has been made to ensure its accuracy, the information is not to be construed as warranty or guarantee, express or implied, regarding the products or services described herein or their use or applicability. No license is granted by implication or otherwise to any of Signal Group's intellectual property. Signal Group reserves the right to alter or revise any of its products or published technical data related thereof at any time without notice. ©2012 Signal Group.