

## ADR-2000 *Plus*



- Portable Traffic Counter/Classifier
- Simple to Setup and Operate
- 2 Mb. Onboard Memory – increased storage capacity
- PCMCIA memory option – for even more storage
- Multilane Operation up to 42 Inputs
- Scheme “F” or Custom Classification
- Solar Power Option
- High-speed Communications
- U.S. Standard or Metric Units
- Water-resistant Airswitch
- Weatherproof Housing
- Integral Keyboard with 4 Line LCD Readout
- Interfaces with SAFECOUNT
- Separate battery compartment
- Battery “Sentinel”

### The Peek ADR-2000 *Plus*

The Peek ADR-2000 *Plus* provides optimal functionality as a portable or semi-permanent site unit. In its basic configuration as a counter/classifier, two or four road tubes are available. With optional internal sensor modules, the ADR-2000 *Plus* can monitor up to forty-two inputs using a combination of loops, piezos or contact inputs. The standard memory has been increased to a total of 2 Megabytes, 1 Megabyte for programming and 1 Megabyte for data storage. A removable PCMCIA memory card is also available. The ADR-2000 *Plus* also interfaces with the SAFECOUNT.

Available data types include per vehicle records, per lane data, binned vehicle classification by axle, speed, length, gap, headway or combinations of the above. Vehicles may be classified according to the FHWA Scheme “F” or user defined custom classification tree.

Water-resistant Airswitch now eliminate the worry of internal water exposure from failed road tubes. Our Weatherproof Housing provides a barrier against the elements of nature. We are setting the standard for durability and longevity in our entire ADR line of counter/classifiers. Our quality control is based on ISO9000 standards of operation, enabling us to provide you with environmental chamber tested, inspected, top-notch products.

Each unit can perform up to eight studies, plus per vehicle records, with up to 356 bins of data, e.g., classification by speed, by lane. The type, configuration and format of data to be collected are selected by the user from menu driven choices or may be custom programmed.

## ADR-2000 *Plus* Specifications

### Operational Characteristics

The Peek ADR-2000 *Plus* is a self-contained, portable multilane automatic vehicular traffic counter/classifier which can be set up and operated via the integral smart keypad and interactive liquid crystal display. Alternatively, full operational control can be granted either remotely via telemetry or directly in the field via a computer with appropriate software. Flexibility in configuration is achieved with easy menu guidance, eliminating confusion and operator errors. Collected data is held secure from unintentional erasure or loss.

### Physical Description

The Peek ADR-2000 *Plus* is packaged in a self-contained weatherproof cast aluminum enclosure. The enclosure is sealed against environmental precipitation (IP67 accidental submersion up to three inches). The ADR-2000 *Plus* is expandable by function with individual plug-in modules. Compact, individual plug-in modules are Eurocard in size with DIN standard connectors. Electrical connections (external) are via rear mounted UL and CSA approved weatherproof connectors. An internal 6v/10 amp hour rechargeable battery is supplied. The ADR-2000 *Plus* provides immediate access to the separate battery compartment, without tools. Power options include a lid mounted integral solar power, and a battery charger. An internally supported hardware real time clock keeps time and date, regardless of unit power, for up to ten years.

<b>Housing:</b>	Rugged, stackable interlocking weatherproof cast aluminum housing and integrally cast carrying handle supplied with brass body lock and two matching keys
<b>Weight:</b>	17.6 pounds (6.7 kg) with battery
<b>Size:</b>	Height: 6.5" (162mm) Width: 9.5" (242mm) Depth: 13" (332 mm)
<b>Temperature:</b>	-40°F to +165°C
<b>Display:</b>	20 digits x 4 line liquid crystal display
<b>Inputs:</b>	Up to 42 sensor inputs plus four water-resistant airswitches
<b>Counter Rate:</b>	200 counts per second per input
<b>Interval:</b>	1, 2, 5, 6, 10, 15, 30 and 60 minutes 2, 3, 6, 12 and 24 hours, real time events Four daily peak periods available
<b>Study Periods:</b>	Preset 2, 4, 7 days or continuous
<b>Microprocessor:</b>	Intel 80C186
<b>Capacity:</b>	Approx. 3,280 days of volume data
<b>Accuracy:</b>	± 1 count per record per second input
<b>Autonomy:</b>	90 days, indefinite with solar option
<b>Battery:</b>	6 volt 10 ampere hour rechargeable sealed lead gel battery protected by automatic disconnect at 5.1 volts <b>Note:</b> Battery is retained in a separate compartment sealed from electronics and individually accessible for maintenance.
<b>Communications:</b>	Selectable RS232 serial baud rates between 300 and 19,200 via UL and CSA approved female socket

### Options:

- 1) Solar Power
- 2) Up to eight loop inputs or
- 3) Up to eight piezo inputs or
- 4) Up to fourteen contact inputs.
- 5) PCMCIA memory card socket

### Peek ADR-2000 *Plus* Supportive Software

Of importance to the user of modern counters/classifiers is the operating and reporting software, which supports, controls and formats the resultant data. A user-friendly Windows<sup>®</sup> software package is available to complement the Peek ADR-2000 *Plus*. This software is the Traffic Operations Processing Software (TOPS) program, which is available from Peek Traffic, Inc. - Sarasota.

The TOPS<sup>®</sup> program provides multi-file processing, stores your data files into a single database for easy file sharing among TOPS<sup>®</sup> users, allows for edit and preview of reports before printing, provides for both ADR and 241 data processing protocols, enables remote or local setup of Peek ADR units and collection of data by direct manual connection or by the added functionality of automatic telemetry polling of field sites via modem connection (autopolling and weigh-in-motion support are add-in options). The TOPS<sup>®</sup> program will read all files and will generate a suite of daily, weekly and monthly reports. A user definable classification function, within the program, provides the ability to customize classification and to transfer the new scheme to the Peek ADR-2000. Processed data may be exported to various other software.

### Quality Assurance Testing

Each unit is individually tested for correct operation during computer controlled environmental chamber test cycle, based on the NEMA TS2 standards. All input circuits have been designed and tested to the NEMA TS2 standards for surge (lightning) protection.

### Two Year Limited Warranty

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

Peek Traffic, Inc. products are protected by one or more U.S. and international patents.

For specific warranty information, contact your local representative or Peek Traffic, Inc. Peek Traffic, Inc. reserves the right to make changes to this product with out notice.



Peek Traffic Inc.  
1500 N. Washington Blvd.  
Sarasota, Florida 34236  
Telephone: (941) 366-8770  
1-800-245-7660  
Fax: (941) 365-0837  
[www.peaktrafficinc.com](http://www.peaktrafficinc.com)