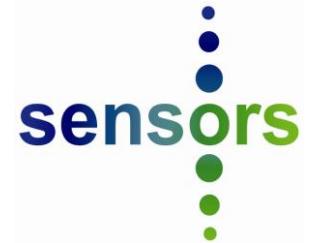


SEMTECH[®]-AM

PORTABLE ACTIVITY MONITORING SYSTEM (PAMS)



For the past several years, **SEMTECH** has set the standard for testing all classes of diesel-powered vehicles and equipment under real-world operating conditions. With the **SEMTECH-AM** we bring real world testing to a new dimension. Although the module is small in size it is powerful in vehicle and engine information monitoring.

Legislation throughout Northern America, the European Community and Japan demand the reduction of emission. Yet no suitable system to measure the real traffic related emission is available. Either one can use stationary devices, which only allow to measure local air pollution or one uses mathematical models, which are based on many assumptions.

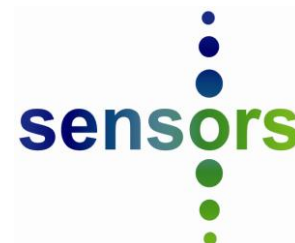
To meet these challenges, Sensors introduced **SEMTECH-AM**, which incorporates a OBD II diagnostics interface, a GPRS/GSM module and a GPS position tracking system. The collected data is transmitted to a server which provides the data for post processing and analyzing.

- CE Compliance
- Robust design
- OBD II interface
- GPS module
- Wireless GPRS/GSM data transmitting or long term data logging on memory card
- Acceleration

With **SEMTECH-AM** the user has access to a variety of applications. Combined with other products of the **SEMTECH** portfolio, real emission footprints can be established leading the way into new emission inventories, fleet evaluation and emission mapping for local authorities.

SEMTECH[®]-AM

PORTABLE ACTIVITY MONITORING SYSTEM (PAMS)



Product Specification:

GPS Data	Longitude Latitude Altitude Velocity
OBD II Interface:	Engine load Engine speed (various other parameters depending on the used protocol)
Sensor interface:	external Accelerator for tracing acceleration or inclination in drive axis
Data transmitting:	Optional wireless transmission via GPRS/GSM USB 2.0 on system storage (optional);
Data storage:	integrated 1 GB compact flash card (optional)
Data collection:	up to 1 Hz
Temperature range:	0 to 40°C operating temperature -10 to +60°C storing temperature
Power supply:	via OBD II interface of the vehicle
Weight:	300gr
Size	140 mm x105 mm x35mm

Disclaimer:

Specifications are subject to change without notice.
While due caution has been exercised in the production of this document, possible errors and omissions are unintentional.