

DPS 9000 YAC – Yard Air Controllers

Configurations For Any Need



Mobile YAC



Trackside YAC



Multi YAC



DPS 9000 YAC – Yard Air Controllers

The **DPS 9000 YAC – Yard Air Controller** is a labor saving device to automatically conduct and document Class 1 and 3 air brake tests. Automating the Class 1 test eliminates human error, improves efficiency, and increases the detail of documentation.

A user is guided step by step through the Class 1 or Class 3 test. Easy to follow prompts are customizable to achieve Railroad operational goals.

Using an electronic device such as a tablet, computer or smartphone, a Carman can remotely control all parameters of the yard air:

- Brake Application
- Brake Release
- Air Flow Monitor (AFM)
- Air Pressure Monitor
- Measure Air Leakage Rate

The YAC eliminates the need for personnel to travel back and forth to the yard air valves to set and release brakes.

The **DPS 9000 YAC** communicates with the back office to electronically record the initial terminal test. Data is sent to the back office in near real time, allowing Supervisors to monitor test while they occur.

Historical data is easily analyzed using a built-in reporting tool. Many data points are stored including:

- Time of each test step and user action
- Track, Train Symbol
- Start/End Pressure and Flow
- Leakage in PSI
- Much More

Data can easily be exported to Excel for advanced analysis.



DPS 9000-IB (Mobile) YAC



**Portable, allows for use
in multiple yards/tracks.**

**Great for situations
that require testing in
diverse locations.**

Specifications:

- Weight: 22.6 lbs.
- Enclosure Dimensions (not including antenna and hoses):
10.7" L x 9.7" W x 6.9" D
- Powered by internal battery with 36-48 hours of usage before a charge is needed. Includes both AC wall charger and DC car charger.
- Light and compact design allows for mobile use on multiple tracks.
- Network connectivity via 4G Cellular or WIFI
- Integrated GPS for asset tracking



DPS 9000 (Trackside) YAC



Used in yards with existing trunked yard air.

Does not require a home run to each track. Can be easily relocated.

Requires no electricity, powered by the yard air.

Specifications:

- 112 lbs.
- 56.25" H X 11.5" W X 7" D
- Standard model mounts below rail on railroad ties
- Network connectivity via 4G Cellular or WIFI



DPS 9000-M (Multi) YAC

Specifications:

- System can be configure to support 2 or more tracks
- 35 lbs., 30"X10" per channel
- Device Layout Custom engineered based on customer specifications
- Any channel can be replaced in less than 5 minutes in the event of a failure.
- Network connectivity via Cellular, WiFi, or Wired LAN
- Powered by standard 120V/15A Wall outlet, 2+ days of internal battery backup



For use in yards that have a home run air line to each track.

Can be integrated into air compressor housing, or other climate controlled enclosure.

DPS 9000 YAC – Yard Air Controllers

Highly automated and easy to use:

- Advanced Self-diagnostics
- Guided/Simple testing dialog customized to Customer specifications
- Support for custom dialogs to comply with specific company policy
Eg: Blowing out airlines prior to connection with a train
- Device control lock out for Carmen safety (Virtual Blueflag)
- Displays linked control devices
- Displays leakage rate PSI per minute
- Pressure for Head and Rear end
- Digital Air Flow Meter (AFM)
- Uses ETD or an analog pressure gauge at end of train

Benefits unique to DPS 9000 YAC:

- DPS supports self-calibration of the device to reduce annual maintenance costs
- YAC controller interface can be configured to customer needs
- YAC back office data is transmitted in near real time and is easily analyzed for productivity reports, history, etc.
- Increase efficiency and reduced operating cost
- Air Pressure and Flow measurements are recorded every 2 seconds, allowing detailed analysis of testing.
- Every user action is recorded and time stamped, providing a clear picture of how the test was performed.
- Increases consistency of Air Brake Testing

