



YARDMASTER[®]

Building technology that makes your rail yard more productive and efficient

OVERVIEW

The patented YardMaster stands out as an innovative automated Class 1 air-brake leakage test device that not only saves valuable time and money but also reduces any chances of human error during the testing process. This cutting-edge device is strategically installed in rail yards, where its robust design and construction are tailored to endure extreme weather conditions and the demanding nature of yard operations. Its high-flow manifold system ensures fast train charge times and reliable cold-weather charging, enhancing operational efficiency. The convenience of remotely controlling brake tests through the Brake-Boss[®] app or directly via the YardMaster kiosk further streamlines operations. With the capability to accommodate the number of tracks you require, the YardMaster emerges as a versatile and indispensable tool for rail yards seeking enhanced safety, efficiency, and accuracy in their air-brake testing procedures.

ENCLOSURE

The YardMaster climate controlled enclosure varies in size by the number of managed tracks. This versatile system is designed with an enclosure that not only facilitates convenient access to internal components but also provides an interface for YardMaster kiosk operators to efficiently monitor and control operations. Whether you require a permanent installation within a container, building, or on an exterior concrete slab, the YardMaster is adaptable to meet diverse needs while adhering to up to NEMA 4X standards, ensuring durability and reliability in various operating environments.

ANALYTICS

Results from the YardMaster brake tests can be accessed online via the Brake-Boss Dashboard where you analyze results, print or download brake slips, or download test data. The dashboard also displays a live heartbeat of your YardMaster unit which includes yard air pressure, cellular signal strength, calibration due date, pressure/flow setpoints, local temperature/weather, internal enclosure temperature and relative humidity.

BRAKE-BOSS APP

Brake tests can be conveniently performed from a mobile device with the Brake-Boss app installed[†]. The car inspector can release and set brakes while walking the train, as well as perform a complete brake test remotely using the app. Users have the ability to review recent test results. Supervisors can also remotely monitor active brake tests in real time. The app also connects you to the Brake-Boss Dashboard to enable you to view your data from anywhere.

[†]available for iOS or Android devices



Enclosure size varies with number of tracks - 14 Track shown

SPECIFICATIONS

DIMENSIONS	48"W x 50"D x 84"H
WEIGHT	1,200 lbs
POWER	110VAC @ 15A W/O HTR 110VAC @ 28A W HTR
DATA CONNECTIVITY	Cellular / Ethernet
OPERATING TEMPERATURES	-30°F to 120°F
AIR REQUIREMENTS	100 -130 PSI clean yard air per ISO 4975
AIR LINE SIZING	Supply - 3" Output - 2"

[†] ISO 4975:2022 defines the quality classes of compressed air produced by air generation and treatment units (AGTUs) and/or used in pneumatic apparatus and systems of rail vehicles.

Accumulator Tank - size of tank is determined by flow capacity or compressor HP:

5 GAL / CFM x (2 x 40 HP ~ 380 CFM)

380 x 5 = 1900 gallons of storage.

2300 - 2500 gallon tank or larger recommended.



For more information on Brake-Boss contact us or visit thebrakeboss.com



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