TDA-204 - Track Direction Analyzer:

More with less – TDA-204 adds user and system features that improves operations, reduces hardware requirements, expands system flexibility, and supports wayside safety. Operations, previously required to be on-site, can now be performed and monitored remotely. The new TDA-204 interfaces with Comet WinBlip Display Maintenance Application – powerfully connecting users to detect sensor health, system diagnostics, acquisition troubleshooting, and remote calibration of wheel detector amplifiers. The TDA-204 interfaces directly with the wheel detectors eliminating the TDA-105 interface when using a Tiefenbach or Frauscher wheel detector. System flexibility keeps legacy systems in operation for any wheel detector type while extending speed operation over 120MPH.

KEY Features:

✓ Direct replacement for the TDA104
✓ Programmable Wheel Detector Interface
  • Frauscher
  • Tiffenbach
  • Servo
  • Others TBD
  • Speeds over 120MPH
✓ Reduces site maintenance trips with remote diagnostics and remote wheel detector calibration (Note: Remote Calibration for Frauscher Only)
✓ Remote Auto Null of A and B Segments
✓ Continuous digitization of analog wheel signals. Allows remote viewing of actual wheel signals for absolute troubleshooting to eliminate guessing
✓ Sensor failure detection (for Frauscher) and sensor connection failure for both Tiefenbach and Frauscher.
✓ Steady state imbalance detection
✓ Minimizes the need to foul the rail.
TDA-204 - Typical “0” Speed Configurations

Frauscher RS-110
Clamp Mount
✓ Direct Interface
✓ Digitize Wheel Pulse
✓ Remote/Auto Balance
✓ Remote Calibrate

Tiefenbach DSS250
Clamp Mount
✓ Direct Interface
✓ Digitize Wheel Pulse
✓ Remote/Auto Balance

Tiefenbach 2N59
Drill Mount
✓ Direct Interface
✓ Digitize Wheel Pulse
✓ Remote/Auto Balance

Tiefenbach 2N59/TDA-105
Drill Mount
✓ Digitize Wheel Pulse

Calibrate Plate
Calibration Box

www.cometind.com / phone: 816-245-5400