

OCU-III for Rail

ACCUSPEED™



DURABILITY PLUS LIGHTWEIGHT CONVENIENCE

HIGHLIGHTS

- Impact-resistant nylon enclosure
- Language support: English, Chinese, Korean, others by request
- Bluetooth® integration

FEATURES

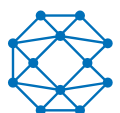
- Light weight
- Internal archive record
- Embedded GNSS receiver
- Switch usage statistics recorded in internal archive record
- Operating temperature: -30° C /+50° C (-22° F / +122° F)

MODELS

- STS/ATS 217 – 225 MHz
- CAI-12 217 – 222 MHz
- STS 450 – 470 MHz

SPECIFICATIONS COMPARISON

| ATTRIBUTES | OCU | OCU-III |
|-----------------------|---------------------|--|
| Size (inches) | 3.9W x 12.2L x 4.8H | 3.7W x 10.6L x 4.9H |
| Weight (with battery) | 4lb 6oz | 2lb 15oz |
| Housing Material | Magnesium | PA12 |
| Display | LED - 10 digits | Graphics LCD 32x122 pixels, 3 lines |
| Antenna | External - Monopole | Internal Helical/Dipole (UHF) External Monopole (VHF) |
| Output Power | 1 Watt | 2 Watts |
| Battery Technology | NiMH / Li-Ion | Li-Ion |
| Bluetooth® | Not available | Diagnostic Support |





OCU-III OPTIONS AND FEATRES FOR ACCUSPEED SYSTEMS

| FEATURES | SPECIFICATIONS |
|--------------------------------|--|
| OLED Display | With three lines and sixteen characters per line, the OCU-III display provides visibility that allows more efficient operations. The first two lines display messages sent by the MCU (Machine Control Unit) with no scrolling required. The third line displays messages local to the OCU-III, such as Operator Requested Status |
| Bluetooth® Integration | <ul style="list-style-type: none"> • Improve the efficiency of service operations and decrease downtime of control units through the Bluetooth interface. The OCU-III performance data can be downloaded from the OCU-III without additional cables or opening the unit to obtain critical service data • This wireless connection is also used to update firmware and configuration parameters when connecting with a properly licensed software tool |
| Infrared Configuration Updates | The OCU-III has the ability to pair with the locomotive MCU and uses infrared to download unique configuration details of the Accuspeed system. Updating the MCU predefined messages over infrared decreases the need to manually configure units and will increase the time that units are available for operation in the field |
| Embedded GNSS Receiver | <ul style="list-style-type: none"> • An embedded GNSS (Global Navigation Satellite System) enables the OCU location to be logged in the internal archive record for later review. For North American users, this GNSS receiver tracks the GPS constellation • A patented feature for forwarding the OCU location data to the MCU is available as an option |
| Embedded Accelerometer | <ul style="list-style-type: none"> • An embedded accelerometer monitors OCU tilt, motion and other operations to improve operator safety • The accelerometer is self-checked at power up and continually during operation |
| Battery Charger | Single and six-unit chargers are designed to charge the rechargeable Li-Ion battery. The charger rapidly charges the OCU-III battery and monitors the battery for safe charging |



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OCU-III FOR Accuspeed 9A06-8026-A101-EN, Rev. 1.0

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