The CLS-IM Series is the first NTEP approved forklift scale that can weigh while the forklift truck is in motion. The CLS-IM captures and holds a Legal for Trade weight, allowing your operating software to associate the weight with each transaction. Eliminating the need to stop and capture a stable weight for every pallet is a tremendous benefit to operational efficiencies.

The CLS-IM Series provides communications to a vehicle mount or handheld device using RS-232 or Bluetooth technology, thus eliminating the need for a traditional weight indicator in the cab.

General Specifications
- NTEP Certified at 5,000 x 5 lb capacity and resolution: COC # 06-074
- 16 in Class II forklift carriage
- 42 in fork length
- Pitch and Roll Characteristics:
  - 5° pitch back, 3° pitch forward
  - and 3° side to side
- In-motion Weight Acquisition
  - Average weight acquisition time of 7 seconds while driving a straight path
  - In-motion weight is captured and held until the weight on the scale has been returned to the zero range

iQUBE2 Digital Junction Box
The iQUBE2 digital junction box eliminates the need for a weight indicator, combining all the scale electronics and software traditionally used by indicators and analog summing boxes into one device.
- Command/Response single stream weight data format includes:
  - Live weight and final weight field
  - Weighment status flag defining a live or final captured weight value to be displayed
  - Scale serial #
  - Pitch and roll values
  - Scale status condition such as overload and underload
  - Scale diagnostics status messages

Virtui3 Software
The CLS-IM Virtui3 software provides the visual Legal for Trade indicator requirements when installed on your forklift truck mount computer, tablet or handheld device.
- Available for Windows® and Android® operating systems
- Virtual indicator: Live weight and final “captured-in-motion” weight field streamed
- Zero key and in-motion clear key
- Pitch and roll displayed
- Visual step-by-step calibration menu for ease of installation
- Testing and diagnostics menu for field testing
- Emulates command/response format of CLS In-motion protocol from iQUBE2 junction box
CLS-IM Series Communication and Power Methods

The CLS-IM Series family utilizes efficient methods to provide power from the forklift to your vehicle mounted PC/tablet docking station or handheld device.

**Option #1 - RS-232 Interface**
- RS-232 Interface with 6 foot cable
- Available in ABF plastic housing

Power and RS-232 communication is provided by the mobile computer or tablet docking station through a molded 9-pin RS-232/coiled cable adapter. Power to the scale is provided on 9 pin with 5VDC at 500 mA draw.

**Option #2 - Serial**
- Small footprint allows for variable mounting locations
- 9-36 VDC input draws only 400 mA
- Internal USB connector for field testing and calibration using Virtuil3
- On/Off Switch to conserve forklift battery life
- Visible LEDs confirm proper operation of components

**Option #3 - Bluetooth Interface**
- Class I Bluetooth interface with a range of up-to 50 yards for transmission of data
- Built-in super caps to provide power to keep Bluetooth connection alive for up to 10 seconds
- Power off sleep mode after 30 minutes of no connection, if enabled
- Available in painted mild steel or ABF plastic housing