

## MS200 & MS202 Portable & Permanent Monorail Scales



PART #	DESCRIPTION
19740 .....	MS200 Portable Monorail Scale (pictured)
19741 .....	MS202 3/8" Permanent Monorail Scale
19742 .....	MS202 1/2" Permanent Monorail Scale

The MS200 for portable use is a unique monorail scale that brings innovation to rail scale technology. Now portable electronic weighing accuracy and dependability are available virtually anywhere your rail system travels, from loading dock to refrigerated cooler. Requiring less than 41" of existing straight rail to install, the MS200 portable scale requires no cutting of your existing rail. Installation is quick and easy, requiring only a 7/16" wrench.

The MS202 is recommended for permanent installation applications. A 52" section of rail is supplied with this model, allowing ample length for cutting to fit your area. The 8" live rail is mounted flush and level with the trolley rail to make the weighing operation as simple as possible.

The MS200 and MS202 models are USDA approved, making them acceptable for use in federally-inspected meat processing plants.

Both the MS200 and MS202 models have a recessed area in the live rail to hold the trolley roller stable during the weighing operation.

### Applications

- Portable or permanent installations
- Quick and easy installation

### Standard Features

- Complete with the IQ plus® 800 digital weight indicator in a NEMA 4X stainless steel enclosure
- 8" long live rail designed to weigh one trolley at a time
- 750 lb x .5 lb resolution in both portable and permanent models
- Available for rail sizes 3/8" x 2 1/2" or 1/2" x 2 1/2"
- Requires less than 41" of straight rail to install (14" between rail hangers for permanent model)
- Zinc plated, steel construction
- High accuracy, stainless steel load cell
- 25' of load cell cable for flexible installation
- Slightly recessed live rail for the trolley roller provides stable weighments

### Options/Accessories

#### NTEP Models available

- 19743 ..... MS200HB-NTEP certified  
MS200 with IQ plus® 800 indicator
- 19744 ..... MS202HB-3/8", NTEP certified  
MS202 with IQ plus® 800 indicator
- 19745 ..... MS202HB-1/2", NTEP certified  
MS202 with IQ plus® 800 indicator
- 59709 ..... Completely portable battery-powered IQ600HB electronic indicator in stainless steel NEMA 4X enclosure, LCD
- 59659 ..... Completely portable battery-powered IQ600HB electronic indicator in stainless steel NEMA 4X enclosure, LED
- 16984 ..... Additional operating manual
- N/A ..... 2 scales installed and connected to one indicator  
Consult Factory



**MS200/MS202 CONSTRUCTION:**

Zinc-plated steel construction, stainless steel hardware

***IQ plus 800 SPECIFICATIONS*****LOAD CELL EXCITATION:**

10 ± 0.5 VDC, 16 x 350-ohm load cells (on up to 2 channels)

**LOAD CELL CURRENT**

460 mA maximum, (16 350-ohm load cells)

**ANALOG SIGNAL INPUT RANGE:**

0.6 mV/V - 3.9 mV/V

**CONVERSION RATE AT FULL SCALE:**

20/second, typical (standard resolution),

10/second, typical (high resolution)

Added channels reduce conversion rate per channel

**RESOLUTION:**

Selectable up to 100,000 displayed graduations

Selectable up to 740,000 graduations internal

**OVERLOAD CAPACITY:**

102%

**COMMUNICATIONS:**

Bidirectional RS-232, RS-232 simplex and 20 mA current loop

**DIGITAL FILTERING:**

Standard range software selectable: 1, 2, 4, 8, 16, 32, 64, 128

RATTLETRAP® high vibration control: 4, 8, 16, 32, 64, 128

**POWER INPUT:**

120 or 240 VAC at 25 watts at 50/60 Hz

**SETPOINTS:**

20 fully-programmable setpoint steps

**DISPLAY:**

Six decades, high intensity red LED, 0.6" (15.2mm)

**ENCLOSURE:**

NEMA 4X stainless steel, 10" L x 6" W x 7.75" H  
(254mm x 152.4mm x 196.9mm)

**LOAD CELL SPECIFICATIONS****LOAD CELL CONSTRUCTION:**

Stainless steel construction

**EXCITATION:**

10 VD

**BRIDGE RESISTANCE:**

350 ohms nominal

**RATED OUTPUT:**

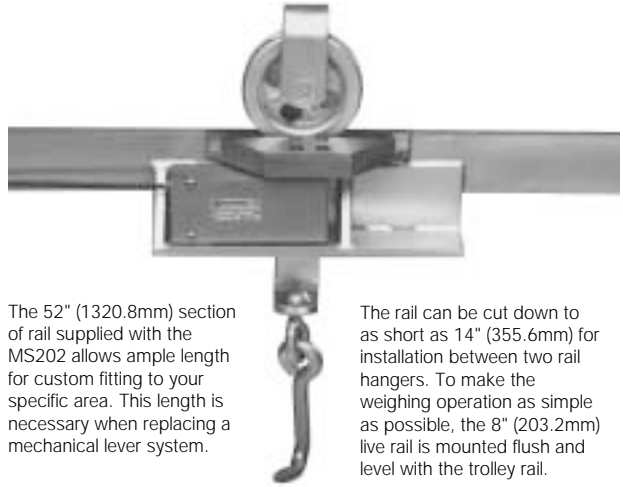
2 mV/V

**NONLINEARITY:**

0.03% full scale

**MS202 PERMANENT MONORAIL SCALE**

*(Does not include trolley bar)*



The 52" (1320.8mm) section of rail supplied with the MS202 allows ample length for custom fitting to your specific area. This length is necessary when replacing a mechanical lever system.

The rail can be cut down to as short as 14" (355.6mm) for installation between two rail hangers. To make the weighing operation as simple as possible, the 8" (203.2mm) live rail is mounted flush and level with the trolley rail.

**MS200/MS202 DIMENSIONS**