

- Truck Weighing
- Process Control
- Inventory Control
- Parts Counting
- Shipping & Receiving



**MODEL 560**



**MODEL 562**

## The Model 560 and 562

Offers unparalleled performance in a mid range weight indicator. Equipped with a comprehensive parameter map, programmable features and a multitude of option modules, the 560 series is the indicator of choice for applications that require value, quality and performance. Standard factory applications are available and can easily be modified by factory trained GSE Distributors.

# SPECIFICATIONS

## Performance:

Full Scale (F.S.)	Selectable 0 to 999,990
A/D Conversion	60 Hz
Resolution	100,000d (+/- 500,000 internal)
Flash memory	1M Bytes
Calibration	Selectable, 5 point linearization or enter Load Cell mV/V full scale
A/D Filtering	GSE Fir (Finite Input Response) filter with selectable display update rate
Units of Measure	4 user selectable per scale
Custom Units	2 user defined per scale
Zero Adjustment	Selectable, 0.01-100% F.S
Span Adjustment	0.1 – 20 mV/V
Non – Linearity	0.005% F.S, L.C. dependent
Operating Temp	-10 C to +40 C
Excitation Power	14 – 350 ohm bridges
Input Signal Connect	4 or 6 conductors with sense leads
Excitation Current	400 mA, short circuit protected
Excitation Voltage	10 VDC, short circuit protected
Time/Date Clock	Non-volatile, battery backed
Database Memory	4K standard, expandable to 8K or 256K
Warranty	2 year limited

## Electrical:

Power Requirement	AC, 90-250 VAC, 50/60 Hz; DC, 10 – 32 VDC
Fuse	0.8A Slow – Blow (when using AC power)

## Setpoint I/O

I/O Scan Rate	16ms maximum
Number of I/O	48 total (32 physical - optional, 16 logical - software)
Remote Contact Input	2 total for TARE, PRINT, START, STOP, etc. Invokes macros 6 & 7 if programmed

## Communications

Port 1	RS232 Full Duplex, RS485 or 20 mA optional
Port 2,3	RS232 Full Duplex, no RTS on Comm 3
Protocols	Modbus™ RTU, ASCII, Device Net (optional), Profibus (optional)
Custom Transmit Tables	100 – user defined RS232 output tables
Input Interpreter Tables	100 – user defined RS232 input tables
Baud Rate	150-58,300 bps

## Physical

Keypad	22 Key, durable elastomeric rubber
Standard Size	11.01" W (27.98 cm) x 8.96" H (22.76 cm)
Weight	7 lb (3.18 kg)
Panel Mount Cutout	9.00/9.25" W (22.86/23.5 cm) x 8.00/8.25" H (20.32/20.96 cm)

## Options and Accessories

**NOTE: 2 serial bus module [SBM] and 1 communication module mount internal to the enclosure.**

- **Multi-Scale Module** <sup>[SBM]</sup> - Up to 3 additional signal inputs (simultaneously monitored)
- **Analog Output Module** <sup>[SBM]</sup> - isolated 16-bit signal output, 0-10 VDC, 0-20 mA or 4-20 mA, software adjust zero/gain (4 analog modules max)
- **I/O Relay Module** - 8 variations of Quad I/O boards<sup>[SBM]</sup> or 16 position I/O boards
- **RS485 Module** - Replaces comm port 1, Isolated multi-drop with 251 devices max, half or full duplex up to 4000 feet, 56K bps max
- **20 mA Current Loop** - Replaces comm port 1, Isolated TX-Active or Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 foot loop
- **Device Net Module** - ODVA approved Interface module for fieldbus networking, [SBM] footprint mounting
- **Profibus** - PTO approved interface module for fieldbus networking, [SBM] footprint mounting
- **Database Module** - 256K Ram, battery backed. Store critical application data
- **Alpha Keyboard** - Allows alpha character entry. Uses standard keyboard with GSE SCK adapter
- **ReFlash Software** - download firmware enhancements and updates
- **Dura-Shield** – Weatherable lexan film covers keypad and display for extreme environments

## Exceptional Features Common to 560/562

- **Macros** – 100 programmable macros, applies the principles of boolean logic in a sequential structure, provides a method of performing repetitive keystrokes and operations, simplifies indicator use by automating indicator operation
- **Database** – 100 programmable databases are used to manage critical application data, this powerful feature stores weight information and other user defined Data Registers such as part numbers, formulas, etc., 18 functions include store, recall, sort, upload, etc.
- **Data Registers** – 100 programmable data registers can be defined as an integer, unsigned integer, float or string, common data registers include part number, lot #, Operator ID, commodity code, etc.
- **Communications** – a factory default transmission will send: Gross, Net and Tare weights. Using the Custom Transmit Tables, other transmissions may be programmed to send weight data, Data Registers or ASCII control codes for application specific labels, reports, etc.
- **Input Interpreter Tables** – are programmed to receive RS232 serial data and perform a specific task, ie. a bar code scanner scans a formula #, the data is received into an input interpreter table and invokes a macro that recalls target weights
- **Enclosure** – NEMA 4X (IP66), stainless steel with swivel bracket or panel mount
- **Display** – model 560 –VFD, 7 segment, 0.75" (19mm), 6 digit weight display with 2x5 VFD scale status and operator prompting display model -562- LCD, 8 line x 40 character graphic display, backlight, 3 font sizes
- **Remote Display Mode** – allows 460 & 560 series indicators to operate as a remote display (slave device)
- **Checkweigh** – Set target weight(s) and tolerances, indicator identifies out of tolerance weightments with Lo, Good, High
- **Batching** – Preact, auto preact adjust and pause resume control. Single Speed: 1-32 ingredients, Two Speed: 1-16 ingredients
- **Truck Weighing** – truck weigh in/out routine provides an average of 200 truck ID's depending on configuration
- **Average Piece Weight (APW) Recall** – key in a part number and recall the associated APW for quick, efficient parts counting, provides storage of a minimum 200 APW's



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