

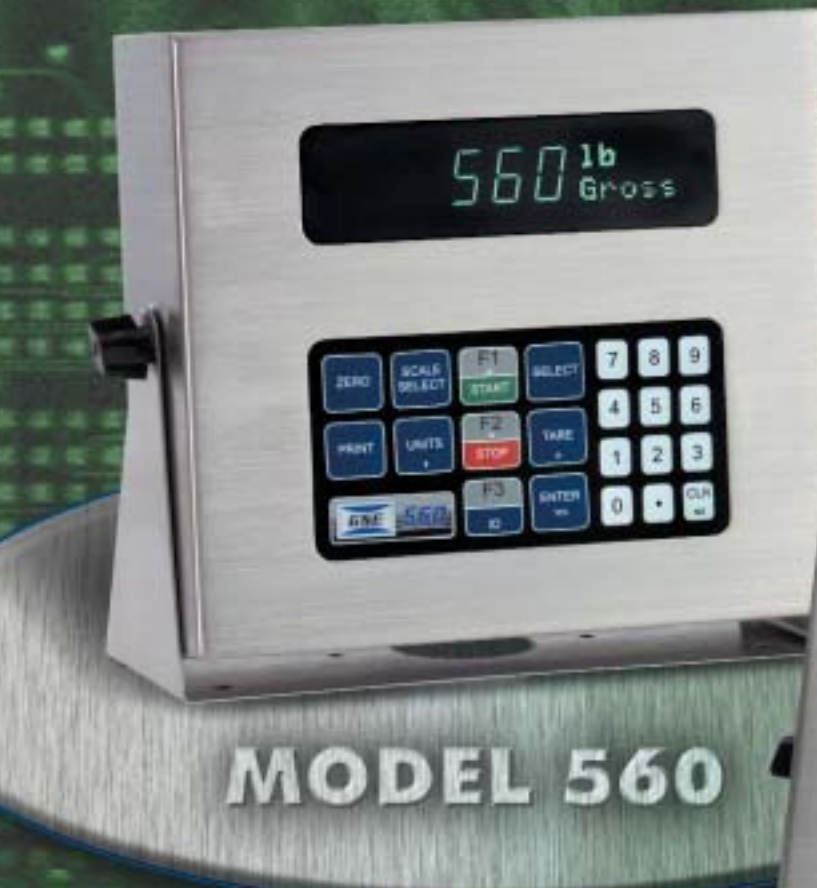


**scale
systems**

A United Dominion Company

560 AND 562 DIGITAL INDICATOR

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



MODEL 560



MODEL 562

The Model 560 and 562

Indicators offer unparalleled performance in an upper 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 operation is available for a variety of applications and all applications can be easily modified by factory trained GSE Distributors for custom application requirements.

SPECIFICATIONS

Performance

Resolution	100,000d (+/-500,000 internal)
A/D Conversion	60 Hz
Flash Memory	1M Bytes
Calibration	Selectable, 5 point linearization or enter L.C. mV/V F.S.
A/D Filtering	GSE FIR (Finite Input Response) Filter with selectable display update rate
Units of Measure	4 user defined per scale (ie. lb., kg)
Custom Units	2 user defined per scale (ie. Troy Oz)
Zero Adjustment	Selectable, 0.01 – 100% F.S.
Span Adjustment	0.1 – 20mV/V
Non-Linearity	0.005%FS, L.C. Dependent
Operating Temp	-10°C - +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	10VDC short circuit protected
Time/Date Clock	non-volatile, battery backed
Warranty	2 Year limited

Electrical

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

Setpoint I/O

I/O Scan Rate	16ms maximum
Number of I/O	32 maximum physical, optional 48 Total (32 physical, 16 logical)
Output Voltage Rating	20 – 240 VAC @1A 30 – 60 VAD @2A
Input Voltage Rating	60 – 250 VAC 3 – 30 VDC
I/O Timer Resolution	10ms
Remote Contact Input	2 total for TARE, PRINT, START, STOP, etc. Invokes macros 6 & 7 if programmed.

Communications

Port 1	RS232 Full Duplex or RS485 Multi-drop optional or 20mA Current Loop optional
Port 2, 3	RS232 Full Duplex
Protocols	Modbus™ RTU, ASCII
Baud Rates	150 – 58,300K bps
Custom Transmit Tables	100 - user defined RS-232 output tables
Input Interpreter Tables	100 - user defined RS-232 input tables

Physical

- **Keypad** – 22 key, durable elastomeric (rubber)
- **Size** – 11.01" W (27.98cm) x 8.96" H (22.76cm)
- **Weight** – 7 lb (3.18kg)

Options and Accessories

Note: 2 serial bus modules[SBM], 1 communication [comm] module and 1 Data base Module can be mounted internal to the enclosure.

- **Multi-Scale Module^[SBM]** – allows for simultaneous monitoring of an additional signal input
- **Analog Output Module^[SBM]** – isolated 16-bit signal output, 0-10VDC, 0-20mA or 4-20mA, software adj. zero/gain (4 analog modules max.)
- **I/O Relay Module^[SBM]** – 8 Variations of Quad I/O boards. (AC & DC – 4 Output, 4 Input or 2 In / 2 Out)
- **RS485 Module^[comm]** – isolated serial communication module replaces RS232 on Port 1, multi-drop with 251 devices max, half or full duplex up to 4000 feet, 56K bps max
- **20mA Current Loop^[comm]** – isolated serial communication module replaces RS232 on Port 1, TX- Active or Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 foot loop
- **Alpha Keyboard** – a computer style keyboard allows alpha character entry into data registers such as Product Name, Part Number, etc.
- **Dura-Shield** – 0.020" layer of weatherable film lexan with adhesive backing, applied to the front of the indicator, keeps display and keypad clean in extreme environments
- **GSE ReFlash Software** – download firmware enhancements via RS232 port
- **BDM Flash Software** – download firmware enhancements via BDM port
- **Database Module** – 256K RAM, battery backed, is available to store critical application data

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, 4 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 specification weighments, or within tolerance
- **Batching** - Single Speed: 1-8 ingredients with Pre-Act. Two Speed: 1-4 ingredients with dribble
- **Truck Weighing**- truck weigh in/out routine provides a minimum 200 truck ID's, print out ticket per weigh in or weigh out.
- **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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