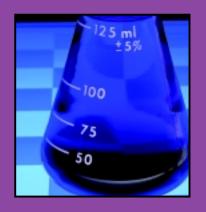
Parts Counting











Model 370 Model 375 Model 672

Model 675





Parts Counting and Inventory Management Systems

We've built our reputation by providing high performance parts counting products. GSE precision parts counting systems are designed to provide years of reliable performance in a variety of environments and applications. Intuitive, easy to use counting and weighing routines range from one keystroke operation to cycle counting with data acquisition for a complete inventory management solution.

Accuracy is important whether your counting application is document distribution, shipping and receiving, job picking or factory-wide inventory management. Inaccurate counts can be costly for customers in a shortage situation or costly for you in an overage situation.

GSE precision parts counters provide a variety of features for improving counting accuracy and efficiency.



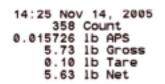
Model 370 Parts Counting Scale

Designed as an entry-level to mid-level unit, weighing and counting parts has never been easier with the Model 370 Parts Counting Scale. Basic one key operation allows for quick and efficient counting and improved productivity in applications where APW (average piece weights) are established frequently.

Features

- **Simple one button operation** immediately improves counting efficiencies and virtually eliminates the need for operator training. Basic counting instructions printed on front panel enable even a novice to quickly count parts.
- Bright, LED display is easy to read in any light situation.
- One keystroke toggling between parts counting mode and weighing mode.
- Convenient carrying handles facilitate mobility for counting or weighing in different areas within a facility.
- Communicate with printers, computers, and other peripheral devices using fixed format tickets and labels, or create custom labels with the Custom Transmit Table™. Labels can be created to contain bar code data with APW and TARE (container) weights.
- Counting accuracy is ensured with one million counts (1/1,000,000d) of internal resolution for counting, and weighing data, and APW calculations.
- Wide range of capacities allows you to select the right scale for the right application.
- Further increase counting efficiencies and expedite counting by connecting a bar code scanner for scanning APW and TARE weight information.

Easily integrates with UPS Worldship[®] for streamlining shipping, receiving, importing, and exporting processes.



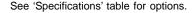
ID 123 376 Count 0.015726 lb APS 02:49 pm Ney 14, 2005



Model 375 Parts Counting Scale

The Model 375 has the same versatile features as the Model 370 plus numeric keys for manual entry of TARE weight or APW.

Model 375
Parts Counting Scale



Model 675 Precision Counting Scale

The Model 675 fits well into demanding mid-level counting applications or sophisticated, factory-wide inventory management systems. With all of the available option modules, on-board configuration selections, a 1/1,000,000d internal counting resolution and 25 years of experience in refining our counting algorithms, counting accuracy is ensured from electronic parts to expensive machined parts.

Features

- APW Enhance Mode improves accuracy while you count and eliminates the need to count large samples for an accurate APW (average piece weight).
- Alphanumeric keypad allows manual entry of product numbers and descriptions. Product information can also be transmitted to the Model 675 via bar code scanners, card readers and computers.
- The standard 250 item memory stores and recalls Product #, Description, APW, and Lot #. Memory can be easily reconfigured with up to 98 columns of associated Product # information.
- Database Modules can expand memory storage capabilities to include thousands of products. The actual number of products is directly related to the scope of information that will be stored with each Product #; for example, Time and Date of Transaction, Bin#, Employee#, Job#, and etc. can be stored per your application requirements.
- Convenient carrying handles facilitate mobility during battery operation.
- Local scale capacities range from 6 lb to 100 lb. Connect a range of remote platforms (500 g up to 100,000 lb) to the standard remote scale input. Two additional remote platforms can be connected for a total of 4 scales.
- Barcode scanners and printer ports are available to improve cycle counting and job picking efficiencies. Advanced communication protocols allow the Model 675 to integrate into most factory networks.
- Accuracy settings from 90% to 99.96% are available to ensure products are counted within acceptable tolerances.
- LCD Graphic Display provides detailed operator prompts. Prompts and operation can be modified to adapt to your application requirements.
- Easily integrates with UPS Worldship® for streamlining shipping, receiving, importing, and exporting processes.



Custom Transmit Tables ™

Input Interpreter Tables ™

Quick Change Load Cells

Carrying Handles

Aluminum Die Cast Housing



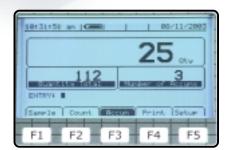
Application Display Styles

Multiple display style selections are available.



Easy View Data Output

Multiple onscreen printer and computer formats make data output selection easy.



Quick Count

Single menu soft-key operation makes counting parts simple and efficient.

Model 675 Integrates with Your Network

Using versatile communication protocols, the Model 675 communicates via point-to-point or standard fieldbus networks in a variety of formats to exchange plant floor data; minimizing maintenance costs and integration time.

Via Ethernet, RS232, RS485, and 20mA current loop, **Custom Transmit Tables™ and Input Interpreter Tables™** provide flexible system integration and weighing instrument communication.

The **Ethernet Module** supports DHCP Server, fixed IP address, Telnet Server or client, Modbus TCP/IP slave, and FTP client. A dynamic on board web server makes network configuration fast and simple, and provides instant remote access to scale weight and process data.

The **DeviceNet™** and **Profibus®** Modules provide flexible I/O assemblies enabling access to all weight data and user defined process data. An on board auto configuration utility expedites setup by matching both EDS and GSD files.

Applications

Inventory Control

QA Inspection
Checkweighing
Parts Counting
Shipping
Negative Counting

Options

Battery Operation: Two rechargeable Battery Modules provide continuous 40 hour or 13 hour operation. To operate with 8 standard D-cells, a battery tray kit is available for 80 hours of continuous operation.

Multi Scale Module(s): The 675 2 scale standard system can be expanded to 4 scales by adding 2 MS modules.

Comm 3/4: Adds 2 additional RS232 full duplex communication ports.

Database Module(s): Up to 2MB additional database memory for data storage.

Computer Keyboard Module: Connects standard computer keyboard to scale.

RS485 Module: Multi drop up to 251 devices in half or full duplex to a distance of 4000 feet (1200 m). Utilizes RS232 port 1.

20 mA Current Loop: TX active or passive, RX-Passive, 9600 bps, 12 VDC, 1000 feet (300 m). Utilizes RS232 port 1.

Ethernet Module: Supports DHCP Server, fixed IP address, Telnet Server/client, Modbus TCP/IP slave, and FTP client.

Analog Output Module: 0-10 VDC, 0-20 mA, or 4-20 mA, absolute zero and full scale values are programmable, 16 bit resolution.

Setpoint Option Module: Connect up to 128 optically isolated inputs or outputs.

Wedge Software: A database mining tool for viewing and updating stored data. Extract, store, modify, and return data to the instrument easily.

Model 672 Precision Counting Scale

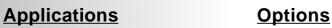
Specifically designed for counting and weighing small, lightweight product, the Model 672 brings a new level of sophistication to lightweight applications. Basic weighing and counting routines make the 672 easy to use for everyday weighing and counting, while programmable features expand the applications to tolerance check weighing, precision formulation and lot sampling.



Features

- A standard remote scale input port is available for connecting a higher capacity scale for counting bulk product.
- Local scale capacities are 500 g (1 lb) and 1000 g (2 lb).
- Industrial overload protection helps prevent load sensor damage due to accidental overload. The stainless steel loading surface is designed to transfer an overload to the cast aluminum housing, while the innovative overload pin provides redundant overload protection.
- APW Enhance Mode improves accuracy as you count while eliminating the need to count large samples for an accurate APW (average piece weight). Alphanumeric keypad allows manual entry of product numbers and descriptions.
- Product information can also be transmitted to the Model 672 via bar code scanners, card readers and computers.
- A convenient carrying handle facilitates mobility.
- Accuracy settings from 90 % to 99.96 % are available to ensure product is counted within acceptable tolerances.

Model 672 Precision Counting Scale



Quality Assurance Verification

Part Tolerance Checkweighing

Parts Counting and Accumulation

Lot Sampling with Data Collection

Database Module: 256K, 1MB, or 2MB

Ethernet Module: Supports DHCP Server, fixed IP address, Telnet Server/Client, Modbus TCP/IP slave and FTP client.

Wedge Software: A database mining tool for viewing and updating stored data. Extract, store, modify, and return data to the instrument applies.

instrument easily.





Specifications

Performance		Model 370 / 375	Model 672	Model 675	
Manual Resolution					
AD Fillering	Capacities (lb)	6 lb, 15 lb, 30 lb, 60 lb, 100 lb	500 g (1 lb), 1000 g (2 lb)	6 lb, 15 lb, 30 lb, 60 lb, 100 lb	
No. Linearity 0.0075 max, 350 chm load oil dipenduri 0.005 si of Full Scale 0.0075 max, 350 chm load oil dipenduri Overlace Protection \$100 Contract Protection Preduction of Protection \$20 million	Internal Resolution	1,000,000d	1,000,000d	1,000,000d	
Ownersal Procession Show to Central Procession Resolution contact of years will filt manual agent pathon 6 Point Confidence Protection Warrany 2 Year Limited 2 Year Limited 2 Year Limited 2 Year Limited COMMUNICATION For 1 - 4 18 discretional RS222 pot 1 28 discretional RS222 pot 1	A/D Filtering	GSE FIR (Finite Impulse Response)	GSE FIR (Finite Impulse Response)	GSE FIR (Finite Impulse Response)	
Name Part	Non-Linearity	0.017 % max, 350 ohm load cell dependent	0.02 % of Full Scale	0.017 % max, 350 ohm load cell dependent	
Profest 1-4	Overload Protection	5 Point Overload Protection		5 Point Overload Protection	
Potes 1—4 8 Buildeclained RS232 potal 2 Buildeclained RS232 potal Duplex, SW & HW Hydrolained ports, Optional Enterior Hydrolained Ports, Optional Ports, Optional Enterior Hydrolained Ports, Optional Enterior Hyd	Warranty	2 Year Limited	2 Year Limited	2 Year Limited	
Ports 1—1 18-Indicational RS232 port Ascillation in Security Production (Security Production Prod					
Based Rane 150-16K bps (port 1) 150-36K bps (port 1) 150-36K bps (port 1) 150-36K bps (port 2) 34 150-36K bps (port 2) 34 350-36K bps (port 2) 34 34 34 34 34 34 34 3	Ports 1–4	1 Bi-directional RS232 port	2 Bi-directional RS232 Full Duplex, SW & HW Handshake ports, Optional Ethernet	Handshake ports, Optional expansion to 4 ports,	
Bill Del Bill De	Protocols	ASCII Standard	Modbus RTU and ASCII Standard	Modbus RTU and ASCII Standard	
Power Requirements 120 VAC 60 Hz Wall transformer Incl. or 12 to 36 VDC 90-250 VAC, 10-32 VDC Excitation Voltage 10 VDC, Short circuit protected 10 VDC, Short circuit protected 10 VDC, Short circuit protected Excitation Power (1) 380 dmin load cells (5) 550 dmin load cells (14) 350 dmin load cells Excitation Carman 200 mA, Short Circuit protected 400 mA, Short Circuit protected Inguis Signal Cornect 6 Conductors with Sense Leads 4 or 6 Conductors with Sense Leads 4 or 6 Conductors with Sense Leads Flase 2A 2A 2A 30 As down-blow (when using AC power) Battery (sporce) 30 Havr (All Battery) Tayly for 8 D- Cells • 90 hours (batteries not included). NA 40 or 13 Hour NMH Battery Trayly for 8 D- Cells • 90 hours (batteries not included). PHYSICAL Virtual Carman (All Power Coal Cast Aluminum Powder Coal Cast Aluminum Powder Coal Cast Aluminum Powder Coal Cast Aluminum Count-Weigh Surface 12° x 12° Stainless Steel (6 lb, 8° x 10°) 4.75° Stainless Steel w Shock Protection 12° x 12° Stainless Steel (6 lb, 8° x 10°) Display 0.8° LED Display 8 line x 40 character LCD backlit graphic display 16 line x 40 character EDT LCD Graphic with Walls Stain State (10° LCCC) <td>Baud Rate</td> <td>150–115K bps (port 1)</td> <td>150–58K bps (port 1) 150–38.4 bps (port 2)</td> <td></td>	Baud Rate	150–115K bps (port 1)	150–58K bps (port 1) 150–38.4 bps (port 2)		
Excitation Voltage	ELECTRICAL				
Excitation Power 17.350 hm load cell 16.350 hm load cells 14.350 hm load cells 14.350 hm load cells 14.350 hm load cells 16.550 hm load 16	Power Requirements	120 VAC 60 Hz Wall transformer Incl. or 12 to 36 VDC	120 VAC 60 Hz Wall transformer Incl. or 12 to 36 VDC	90–250 VAC, 10–32 VDC	
Excitation Current 200 m.A. Short Circuit protected 200 m.A. Short Circuit protected 400 m.A. Short Circuit protected 10put Signal Connect 6 Conductors with Sense Leads 4 or 6 Conductors with Sense Leads 5 or 6 Conductors with Sense Leads 5 or 6 Conductors with Sense Leads 5 or 6 Conductors with Sense Leads 6 or 7 conductors with Sense Leads 6 or 7 conductors with Sense Leads 8 conductors 7 conductors 8 conductors 7 conductors 8 conductors 7 conductors 8 conductors 7 cond	Excitation Voltage	10 VDC, Short circuit protected	10 VDC, Short circuit protected	10 VDC, Short circuit protected	
Input Signal Connect 6 Conductors with Sense Leads	Excitation Power	(1) 350 ohm load cell	(5) 350 ohm load cells	(14) 350 ohm load cells	
Same	Excitation Current	200 mA, Short Circuit protected	200 mA Short Circuit protected	400 mA, Short Circuit protected	
Battery (options) 30 Hour NIMH Battery Tray for 8 D-Cells - 60 hours (batteries not included). N/A 40 or 13 Hour NIMH Battery wiquick charge circuit. Tray for 8 D-Cells - 60 hours (batteries not included). PHYSICAL Housing Material Powder Coat Cast Aluminum	Input Signal Connect	6 Conductors with Sense Leads	4 or 6 Conductors with Sense Leads	4 or 6 Conductors with Sense Leads	
Tray for 8 D-Cells - 60 hours (batteries not included). PHYSICAL Housing Material Powder Coat Cast Aluminum Powder Coat Cast Aluminum Powder Coat Cast Aluminum Powder Coat Cast Aluminum Powder Coat Cast Aluminum 12" x 12" Stainless Steel (6 lb, 8" x 10") Display 0.8" LED Display 8 line x 40 character LCD backlig graphic display 16 line x 40 character EDT LCD Graphic with White LED Backlight Keypad 6 Key (370), 18 Key (375) International, Tacilie membrane 26 Key, Polymeric membrane plate 27 Key, Polymeric membrane plate Dimensions 14,38" W (at handles) x 17.30" L x 5.63" H 9.50" W x 11.62" L x 3.52" H 14.38" W (at handles) x 17.30" L x 5.63" H 1.0cal + 1 Remote Input Standard Optional Total 4 with Multi-Scale option Time Date Clock Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Non-Volatile Battery Backed Non-Volatile Battery Backed Up to 16K Up to 56K PHYSICAL 1 Non-Volatile Battery Backed Non-Volatile Non-Volatile Battery Backed Non-Volatile Non-Volatile Non-Volatile Battery Backed Non-Volatile	Fuse	2A	2A	0.8 A slow-blow (when using AC power)	
Housing Material Powder Coat Cast Aluminum Powder Cast Cast Cast Cast Cast Cast Cast Cast	Battery (options)	30 Hour NiMH Battery. Tray for 8 D-Cells - 60 hours (batteries not included).	N/A	40 or 13 Hour NiMH Battery w/quick charge circuit. Tray for 8 D-Cells - 80 hours (batteries not included).	
Count/Weigh Surface 12" x 12" Stainless Steel (6 lb, 8" x 10") 4.75" Stainless Steel w/ Shock Protection 12" x 12" Stainless Steel (6 lb, 8" x 10") Display 0.8" LED Display 8 8 line x 40 character LCD backlit graphic display White LED Backlight Keysad 6 Key (370), 18 Key (375) International, Tactile membrane 26 Key, Polymeric membrane plate 27 Key, Polymeric membrane plate 28 Key, Polymeric membrane plate 27 Key, Polymeric membrane plate 27 Key, Polymeric membrane plate 28 Key, Polymeric membrane plate 28 Key, Polymeric membrane plate 29 Key, Polymeric membrane plate 29 Key, Polymeric membrane plate 29 Key, Polymeric membrane plate 27 Key, Polymeric	PHYSICAL				
Display 0.8° LED Display 8 line x 40 character LCD backlit graphic display White LED Backlight Keysad 6 Key (370), 18 Key (375) International, Tactile membrane 26 Key, Polymeric membrane plate 27 K	Housing Material	Powder Coat Cast Aluminum	Powder Coat Cast Aluminum	Powder Coat Cast Aluminum	
Keypad 6Key (370), 18 Key (375) International, Tactile membrane 26 Key, Polymeric membrane plate 27 Key, Polymeric membrane plate 36 Key, Polymeric membrane plate 37 Key, Polymeric membrane plate 38 Key, Polymeric membrane plate 38 Key, Polymeric membrane plate 37 Key, Polymeric membrane plate 38 Key, Polymeric membrane plate 37 Key, Polymeric membrane plate 38 Key, Polymeric membrane plate 37 Key, Polymeric membrane plate 37 Key, Polymeric membrane plate 37 Key, Polymeric membrane plate 38	Count/Weigh Surface	12" x 12" Stainless Steel (6 lb, 8" x 10")	4.75" Stainless Steel w/ Shock Protection	12" x 12" Stainless Steel (6 lb, 8" x 10")	
Dimensions 14.38° W (at handles) x 17.30° L x 5.63° H 9.50° W x 11.62° L x 3.52° H 14.38° W (at handles) x 17.30° L x 5.63° H Number of Scales 1 Local 1 Local + 1 Remote Input Standard 1 Local + 1 Remote Input Standard Optional Total 4 with Multi-Scale option 1 Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Up to 16K Up to 56K Department of Scales Memory Non-Volatile Battery Backed Up to 16K Up to 56K Up to 56K Department of Scales Memory Department of Scale Department of Scale Memory Department of Scale Memory	Display	0.8" LED Display	8 line x 40 character LCD backlit graphic display		
Number of Scales 1 Local + 1 Remote Input Standard Optional Total 4 with Multi-Scale option Time Date Clock Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Up to 56K Dynose Will Scale Module N/A Na 2 additional scale inputs (installed internally) Database Module N/A Database Module N/A N/A 256K, 1 MB or 2 MB Computer Keyboard Module w/ Comm Port 3 & 4 RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) Z0 mA Current Loop Isolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client Server/Client, Modbus TCP/IP slave, and FTP client (slables port 3) Download new firmware via RS232 port Analog Output Module Setpoint Option Module Available 1 Local + 1 Remote Input Standard Optional Total 4 with Multi-Scale option Non-Volatile Battery Backed N	Keypad	6 Key (370), 18 Key (375) International, Tactile membrane	26 Key, Polymeric membrane plate	27 Key, Polymeric membrane plate	
Time Date Clock Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Volatile Non-Volatile Battery Backed Vulto 56K DPTIONS With Scale Module N/A NA NA NA 2 additional scale inputs (installed internally) Database Module N/A Database Module N/A NA 2 556K, 1 MB or 2 MB 256K, 1 MB or 2 MB 256K, 1 MB or 2 MB 256K, 1 MB or 2 MB Computer Keyboard Module w/Comm Port 3 & 4 RS485 Module Halt/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A N/A NA Halt/Full Duplex up to 4000 ft, 115K bps max (uses port 1) Solated TX-Active/Passive, RX-Passive, 8000 bps max, 12 VDC, 1000 ft (uses port 1) Supports DHCP Server, fixed IP address, Telnet Server/Client, Modbus TCP/IP slave, and FTP client Server/Client, Modbus TCP/IP slave, and FTP client NA NA Set Point Module 16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	Dimensions	14.38" W (at handles) x 17.30" L x 5.63" H	9.50" W x 11.62" L x 3.52" H	14.38" W (at handles) x 17.30" L x 5.63" H	
RRAM Standard Database Memory Not Available Up to 16K Up to 56K DOPTIONS Multi Scale Module N/A N/A N/A 2 additional scale inputs (installed internally) Database Module N/A N/A 256K, 1 MB or 2 MB 256K, 1 MB or 2 MB Computer Keyboard Module w/ Comm Port 3 & 4 RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A N/A N/A N/A N/A Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A Lisolated TX-Active/Passive, RX-Passive, 9800 bps max. 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client GSE ReFlash Download new firmware via RS232 port Download new firmware via RS232 port Download new firmware via RS232 port Available N/A Available	Number of Scales	1 Local	1 Local + 1 Remote Input Standard		
Database Memory NVI Available NVA NVA 2 additional scale inputs (installed internally) Database Module NVA 256K, 1 MB or 2 MB Computer Keyboard Module w Comm Port 3 & 4 RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) NVA NVA NVA Reyboard connection (uses port 4) RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) NVA Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) NVA Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client Analog Output Module Available NVA NVA Available NVA Available	Time Date Clock	Non-Volatile Battery Backed	Volatile	Non-Volatile Battery Backed	
Multi Scale Module N/A N/A 2 additional scale inputs (installed internally) Database Module N/A 256K, 1 MB or 2 MB 256K, 1 MB or 2 MB 256K, 1 MB or 2 MB Computer Keyboard Module w/ Corm Port 3 & 4 RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) 20 mA Current Loop Isolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client (disables port 3) GSE ReFlash Download new firmware via RS232 port Analog Output Module Available N/A Available N/A Available N/A Available Available N/A Available N/A Available Available N/A Available 256K, 1 MB or 2 MB 26K, 1 MB or 2 MB 256K, 1 MB		Not Available	Up to 16K	Up to 56K	
Database Module N/A 256K, 1 MB or 2 MB N/A Keyboard connection (uses port 4) N/A RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A Lisolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) Lisolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client And FTP client (disables port 3) GSE ReFlash Download new firmware via RS232 port Download new firmware via RS232 port Analog Output Module Available N/A Available	OPTIONS				
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Module w/ Comm Port 3 & 4 N/A Keyboard connection (uses port 4) RS485 Module Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) N/A Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1) 20 mA Current Loop Isolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) N/A Isolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client GSE ReFlash Download new firmware via RS232 port Download new firmware via RS232 port Download new firmware via RS232 port Analog Output Module 16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA N/A 4 vailable Setpoint Option Module Available N/A Available	Database Module	N/A	256K, 1 MB or 2 MB	256K, 1 MB or 2 MB	
20 mA Current Loop Isolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client Server/Client, Modbus TCP/IP slave, and FTP client Glient (disables port 3) GSE ReFlash Download new firmware via RS232 port Setpoint Option Module Available N/A Available	Module w/ Comm	N/A	N/A	Keyboard connection (uses port 4)	
20 In Collect Loop 12 VDC, 1000 ft (uses port 1) Ethernet Module N/A Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client Server/Client, Modbus TCP/IP slave, and FTP client Glabels port 3) GSE ReFlash Download new firmware via RS232 port Download new firmware via RS232 port Download new firmware via RS232 port Analog Output Module 16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA Setpoint Option Module Available N/A Available	RS485 Module	Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1)	N/A	Half/Full Duplex up to 4000 ft, 115K bps max (uses port 1)	
Ethernet Module N/A Supports Drifer Server, Insect in address, inlett Server (Client, Modbus TCP/IP slave, and FTP client Telnet Server/Client, Modbus TCP/	20 mA Current Loop		N/A	Isolated TX-Active/Passive, RX-Passive, 9600 bps max, 12 VDC, 1000 ft (uses port 1)	
Analog Output Module 16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA N/A 16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA Setpoint Option Module Available N/A Available	Ethernet Module	N/A	Supports DHCP Server, fixed IP address, Telnet Server/ Client, Modbus TCP/IP slave, and FTP client	Telnet Server/Client, Modbus TCP/IP slave,	
Setpoint Option Module Available N/A Available Available	GSE ReFlash	Download new firmware via RS232 port	Download new firmware via RS232 port	Download new firmware via RS232 port	
	Analog Output Module	16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA	N/A	16 bit, 0–10 VDC, 0–20 mA, or 4–20 mA	
I/O Relays 1A AC, 2A DC, Optically isolated N/A 1A AC, 2A DC, Optically isolated	Setpoint Option Module	Available	N/A	Available	
	I/O Relays	1A AC, 2A DC, Optically isolated	N/A	1A AC, 2A DC, Optically isolated	

Product Line

- Parts Counting
- Airline Systems
- Floor Scales
- Hazardous Area Weighing
- Portable Scales
- Software/Peripherals
- Bench Platforms
- Checkweighers
- Indicators
- Tank & Vessel Weighing Assembly

Your local Distributor is:



42860 Nine Mile Rd., Novi, MI 48375-4122 Phone: 248-596-0600 • Fax: 248-596-0601

Toll Free: 800-755-7875 www.gse-inc.com

Lüripper Straße 62 41065 Monchengladbach Germany Phone: 0049 (0) 2161-59906-11 Fax: 0049 (0) 2161-59906-20 www.gse-europe.de

