

RECIPE SYSTEM

GSE 60-SERIES APPLICATIONS

Flexible recipe / batching system based on the GSE 665 indicator

Suitable for manual or automatic addition of ingredients or a combination of both

User-friendly operation and management information output to printer and / or PC



FEATURES

PRODUCT SELECTION

- Products and associated recipes are stored in memory.
- Operators can select products by ID number or by picking from a list on screen.

INGREDIENT TARGETS

- Each ingredient within a recipe has a target with upper and lower tolerances specified.
- As each ingredient is selected the target amount is tared off so that the operator is always aiming towards a zero reference.
- A graphical bar on the screen gives excellent visual feedback of amount added vs. target.

INGREDIENT SELECTION

- The system can be configured to select subsequent ingredients in a variety of ways: automatically when a stable weight is detected in the target range or manually through the keypad or an external button.
- The configuration also allows the tolerance handling to be specified from the following: progression prohibited completely if the weight is outside the target range; progression outside the target range passcode protected; operator confirmation required outside the target range; or no restrictions.

MULTIPLE SCALES

- The system can have two scales if required; one for bulk ingredients and the other for fine ingredients.
- The scale is specified for each ingredient and the system automatically selects the scale when the ingredient is called up.

TRACEABILITY

- Unique ID numbers are generated automatically for each mix.
- Batch numbers can be entered for each ingredient and are maintained in the memory.
- Details of each mix can be output to printer and/or PC for archive records.

AUTOMATIC INGREDIENT ADDITION

- Any ingredients can be specified for automatic addition with a dedicated digital output channel.
- Optional output cards are required to provide the interface to external switchgear.
- Automatic addition can be combined with manual addition for a hybrid system.

CUSTOMISATION

- As the GSE 60 series is a totally programmable terminal the standard system can be customised to suit the actual production operation and any additional requirements.

MINIMUM REQUIREMENTS

GSE 665 Indicator with 256KB memory module plus 32K FRAM and scale base

STANDARD SPECIFICATION (GSE 665 LCD)

Resolution	1,000,000d internal, 100,000d displayed
Signal Input Range	0.1 - 20 mV/V
Operating Temperature	-10° to 40° C (14° to 104° F)
Time/Date Clock	Non-volatile with selectable formats
Power Requirement	AC:90-250 VAC, 50/60 Hz; DC: 10-32 VDC
Excitation Voltage	10 VDC short circuit protected; 400mA, max to power (14) 350 ohm load cells expandable to 32
Number of I/O	128
Port 1	RS232 Full Duplex or RS485 Multi-drop optional or 20mA Current Loop optional
3 Further Ports	Full duplex RS232
Display	LCD, graphic 16 line x 40 character backlit
Universal Enclosure	Stainless Steel IP66
Dimensions	27.98 cm (W) x 30.73 cm (H)

Number of products / ingredients / recipes is dependant on the size of memory installed

OPTIONAL EXTRAS

- Additional A/D card for second scale input
- Extra memory (256KB standard) 1MB, 2MB
- External PS/2 keyboard adaptor
- External PS/2 keyboard
- External IP65 "Mushroom" button to accept ingredients
- RS485 / RS422 / Ethernet adaptors
- Radio modems for wireless communications
- Output cards for automatic filling

Your local distributor is:

