Manual Formulation

ICS689/ICS685

Formulation Application

Speed up Workflow

Minimize Waste

Easy to Operate

Achieve Consistent Product Quality
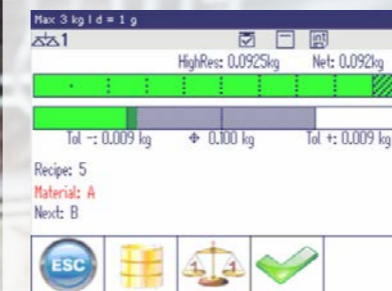## Stand-Alone Formulation System

METTLER TOLEDO

Speed Up Workflow

Clear instructions support operators. The colorWeight® graphics immediately indicate if a target weight is reached. This enhances easy, error-free operation and speeds up your processes.

Minimize Waste

If a component is overdosed, the linear correction function can easily recalculate all previously added ingredients and maintain your quality standards.

Ensure an Easy Audit

Various connectivity options are available to meet your requirements. Barcode identification of ingredients and recipes provide increased security and quality. Printers document the weighing process and ensures proper traceability of your operations.

Robust Formulation Management

This system can handle 50 recipes with up to 50 components each. It supports vertical and horizontal formulation. Use the "Stealth Mode" option to hide proprietary recipe details from operators.

Save Time

Create formulations, recipes and article databases on either the terminal or a PC, and back up through your network or USB sticks.

Increase Uptime

The rugged, full stainless-steel housing of the ICS689 (IP68/IP69k), endures also in challenging environments, such as wet, dusty or hygienically sensitive areas.

Speed Up Simple Formulation Processes
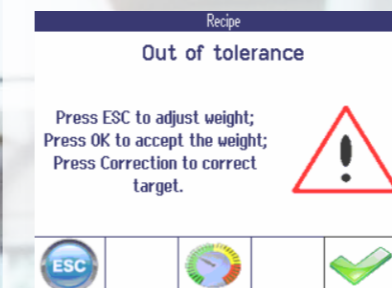## Fast and Reproducible Recipe Handling

The formulation application for **ICS68_ speeds up your formulation and recipe-handling processes. It is designed to minimize operator errors, reduce waste and ensure consistent high-quality products and traceability.**

▶ **www.mt.com/ics689**

ICS689/ICS685 Formulation Application
Technical Data

General Specifications

Applications & Functions	Formulation; User prompting; User management; Configurable soft keys; Deactivatable hard keys; Alpha numeric keypad; Label printing; Max. of 50 recipes (Max. 50 materials entries); Article database (max. 5,000 entries); Internal alibi memory (300,000 transactions); Calibration log files Vertical & Horizontal Formulation Mode, Stealth Mode, Linear Correction
Platform Resolution	Up to 750,000d not approved OIML: up to 60,000e NTEP: up to 60,000d
Display	Color TFT display (320 x 240 pixel); 3 display layouts
Display Languages	English, German, French, Italian, Spanish, Chinese, Portuguese, Japanese
Character Height	Default layout mode = 25 mm, 3-lines info mode = 17 mm
Keypad	ICS689: Piezo keypad; extremely scratch-resistant; > 10,000,000 key-strokes ICS685: Membrane keypad
Housing	ICS689: Stainless steel AISI 304; ICS685: Aluminum die casting
Power Connection	100 – 240 V / 50 – 60 Hz / 300 mA, Length of power cord approx. 2.5 m
Battery (Option)	12 VDC / 2.5 A lithium rechargeable battery
Interfaces (Standard and Options)	Standard: 1 x scale interface (Analog, IDNet or SICSpro) 1 x RS232 data interface standard 3 x Interfaces optional RS232, RS422/485, USB device, USB host, Ethernet, WLAN, Digital I/O (4 Inputs + 4 Outputs), IDNet scale, SICSpro scale, analog scale
Connectable Platforms	Up to 4 platforms (4 x 350 Ω), can be connected All Analog & SICSpro & IDNet platforms
Approvals and Certificates	OIML, NTEP, CE, CSA C US for ICS685& ICS689 GMP, EHEDG, NSF for ICS689 only