

## Designed for Fast Production

### The ICS4\_5 and ICS685



#### Designed to Fit

Are you looking for a compact scale that fits into your industrial environment? If so, the new rugged aluminum die-cast scales are the right choice for you. Benefit from a wide range of applications, designs, various integration options and user-friendly handling.



#### Highest Performance

Increase your productivity by minimizing overfilling, avoiding underfilling and detecting incorrect parts. The ICS compact scales feature high performance weighing technology delivering accurate results fast. Benefit from up to four scale connections extending the capacity range and resulting in more accurate piece counting.



#### Easy Operation

Weighing, counting or checkweighing are labor intensive applications. Having various different people involved in a process often leads to mistakes which cost you time and money. The new smart scales are simple to operate, feature intuitive straight-forward menus, color display and user prompting in various languages.



#### Broad Connectivity

Profit from fast data handling and efficient printing as well as from various options for seamless integration into existing systems. Manage data in the scale's internal database, comfortably monitor data on a PC or export it with a USB stick.



#### Speed Up Your Production Processes

The compact scale line: ICS425 – ICS435 – ICS445 – ICS465 and ICS685 offers you seamless integration into your production process as your scale can be individually configured for fast and precise operations—exactly according to your particular needs.

The scales feature different applications used in the manufacturing industries:

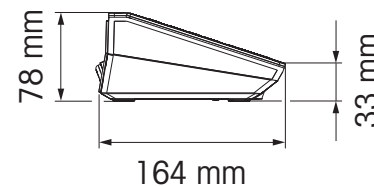
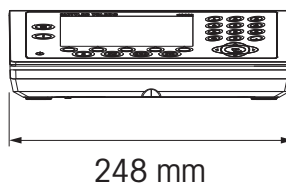
- Simple weighing
- Counting
- Totalizing
- Checkweighing
- Portioning, Filling
- Classifying

Terminals	Basic Weighing		Basic Counting	Advanced Counting	Multi Functional
	ICS425	ICS435	ICS445	ICS465	ICS685
Application/Features	Basic weighing, Average weighing / Date & Time and Printing				
	Counting, Alibi Memory*, Softkeys and User Prompting Over / Under Checkweighing, Portioning, Totalizing, Database (up to 100 articles for ICS445 and ICS465), Database Software			Filling, Classifying, User Management, Database (up to 5000 articles), Transaction Memory*,	
Dimension & Type	248.5 x 164 x 78 mm Diecast aluminum				
Display	LCD liquid crystal graphical display with backlighting				color TFT display (320 x 240 pixel) with colorWeight®
Character height	Default layout mode = 20 mm, 3-line info mode = 15 mm, Big Fond 25 mm				25 mm / 17 mm
Languages	English, German, French, Italian, Spanish, Chinese, Portuguese, Japanese				
Keypad	Tactile-touch membrane keypad (PET), scratch-resistant material				
Numeric keypad	No	Yes	No	Yes	Alphanumeric keypad
Net / Shipping weight	2 kg / 2.5 kg				
Mains connection	100 – 240 V / 50 – 60 Hz / 300 mA, Power cord approx. 2.5 m				
Optional internal battery	12 VDC / 2.5 A 1 strain gauge weighing cell continuous operation ~ 22 h (less with installed options, e.g. WLAN) 1 MonoBloc weighing cell continuous operation ~ 14 h (less with installed options, e.g. WLAN) Life time: 500 to 1000 charging/discharging cycles				
Environmental protection	AC-Version: IP65; Exchangeable battery version: IP5x				
Temperature range	Class III -10 to 40 °C (Strain gauge) Class II 10 to 30 °C (MonoBloc®)				
Humidity	Max. rel. humidity 85 % for temperatures up to 40 °C				
Data interfaces	1 x Standard RS232 1 x Optional			1 x Standard RS232 3 x Optional	
	Choose from the following interfaces: RS232, RS422/485, USB device, UBS host, Ethernet, WLAN, Digital I/O, digital or analog 2nd scale				
Connectable platforms	1 scale can be connected; all analog & SICS & IDNet platforms (except F-cell, AWU cell, GD16-17, PIK)		2 scales can be connected; all analog & SICS & IDNet platforms (except F-cell, AWU cell, GD16-17, PIK)		4 scales can be connected; all analog & SICS & IDNet platforms (except F-cell, AWU cell, GD16-17, PIK)**
Analog scale connection	Impedance: $\geq 87.5 \Omega$ (means 1 x 350 $\Omega$ ; 4 x 350 $\Omega$ ), Excitation: 3.3 VDC, Sensitivity: 2 to 3 mV/V Max. Resolution: 7500e (OIML), 300 000d (non approvable), Min. verification interval: 0.264 $\mu\text{V/e}$				
Approvals	OIML, NTEP, CE, CSA, various local approvals				
Accessories	Cable with plugs for offered interfaces, Stand (height 330 mm), Wall bracket, Printers, Cover for terminal, Battery charger, Auxiliary display, Relay module Power supply conversion kit to operate on 9-28 VDC				

\*Up to 300'000 entries. Optional for ICS445 and ICS465. Standard for ICS685.

\*\*Depending on the configuration of the terminal: Maximum 2 analog, or 2 IDNet platforms respectively 1 analog plus 1 IDNet

## Terminal Dimensions



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