# **Designed for Fast Production** The New 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, colored display and user prompting in various languages.



#### **Broad Connectivity**

Profit from fast data handling, 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 new compact scales 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 needs.

The scales feature different applications used in the manufacturing industries:

- Simple weighing
- Counting
- Totalizing
- Checkweighing
- Portioning, filling

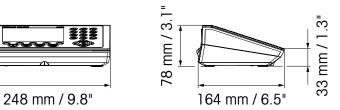


# Terminals

	ICS425	ICS435	ICS445	ICS465	ICS685			
Dimension & Type	248.5x164x78 mm / 9.78x6.46x3.71" Die-cast aluminium							
Display	LCD liquid crystal graphical display with backlighting (32)							
				with col	orWeight®			
Character height	Default layout mode = 20 mm, 3-line info mode = 15 mm							
Languages	English, German, French, Italian, Spanish, Chinese							
Keypad		Tactile-touch membrane keypad (PET), scratch-resistant material						
Numeric keypad	No	Yes	No	Yes	Alphanumeric keypad			
Weight	2 kg							
Mains connection	100 – 240 V / 50 – 60 Hz / 300 mA, Power cord approx. 2.5 m							
Optional battery	12 V / 2.5 A 1 strain gauge weighing cell continuous operation ~ 15 h (less with installed options) 4 strain gauge weighing cells continuous operation ~ 12 h (less with installed options) Life time: 500 to 1000 charging/discharging cycles							
Temperature range	Class III –10 – 40 °C / 14 – 104 °F Class II 10 – 30 °C / 50 – 86 °F							
Humidity		Max. rel. humia	dity 85 % for temperatu	ires up to 40 °C				
Data interfaces			ard RS232 ptional*		2 x Standard RS232 2 x Optional*			
	*Choose from the following interfaces: RS232, RS422/485, USB device/host, Ethernet, V Digital I/O, digital or analog 2nd scale							
Connectable platforms	1 scale can be connected all analogue & SICS platforms		2 scales can be connected all analog & SICS platforms		4 scales can be con- nected (maximum 2 analog platforms)			
Analog scale connection	Impedance: $\ge 80 \Omega$ (means 1 x 350 $\Omega$ ; 4 x 350 $\Omega$ ), Excitation: 3.3 V, Sensitivity: 2 to 3 mV/V Max. Resolution: 7500e (OIML), 300 000d (non approvable), Min. verification interval: 0.5 $\mu$ V/e							
Approvals	The Weights & Measures data is shown on the display. The display indicates if the system is approved or not. Approvals are: OIML, NTEP, IP65, CE, CSA							
Application/Features		erage weighing / Date	age weighing / Date & Time and Printing					
	Counting, Alibi / Transaction Memory, Softkeys and User Pompting							
				Totalizing, Statistic	weighing, Portioning, cs, Scale embedded to 100 articles)			
					Filling, Totalizing to a target, User Management, Database (up to 30 000 articles), Configuration & Database Software			
Accessories	Cable with plugs for offered interfaces, Stand (height 330 mm), Wall bracket, Windshield, Printers (Sprinter; P25; P26), Cover for terminal, Battery charger, Auxiliary display, Relay box Power supply with 9-28V DC							

Terminal Dimensions

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# **Compact Scales**

## For highest precision: MonoBloc® technology

- Approved resolution of 61 000e OIML
- Non-approved resolution up to 610 000d
- Fully Automated Calibration Technology (FACT) function calibrates the scale according to temperature changes and increases accuracy of weighing results

ICS425k-/ICS435k-/ICS445k-/ICS465k-/ICS685k-							
Model (Single Range)	0.6XS/f	3XS/f	6XS/f	6SM/f	15LA/f	35LA/f	
Capacity [kg]	0.6	3	6	6	15	35	
Standard readability [g]	0.001	0.01	0.01	0.1	0.1	0.1	
Approved readability [g]	0.01	0.1	0.1	1	1	1	
Model (Delta Range)	0.6XS / DR / f	3SX / DR / f	6XS / DR / f	6SM / DR / f	15LA / DR / f	35LA / DR / f	
Capacity [kg]	0.12 / 0.6	0.6 / 3	1.2 / 6	1.2 / 6	3 / 15	7 / 35	
Standard readability [g]	0.001 / 0.01	0.01 / 0.1	0.01 / 0.1	0.1 / 1	0.1 / 1	0.1 / 1	
Repeatability (sd) [g]	0.001	0.01	0.01	0.1	0.1	0.1	
Linearity [g]	0.002	0.02	0.02	0.2	0.2	0.2	
Housing size	Small	Small	Small	Small	Large	Large	
Platform size [mm]	160 x 130	160 x 130	160 x 130	240x200	350x240	350x240	
Ingress Protection: Standard/Optional	IP54 / -	IP54 / -	IP54 / -	IP54 / IP65	IP54 / IP65	IP54 / IP65	
Weight of scale [kg]	5.7	5.7	5.7	5.7	9	9	

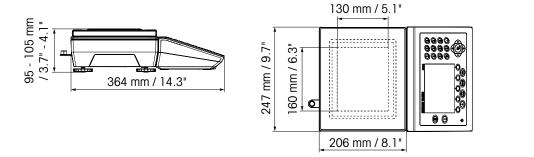
### For best performance: Strain gauge technology

- Approved resolution of 1 x 6000e OIML
- Non-approved resolution up to 60 000d

#### ICS425d-/ICS435d-/ICS445d-/ICS465d-/ICS685d-

Model	3SM/f	6SM/f	15LA/f	35LA/f	PBD655	
Capacity [kg]	3	6	15	35	for higher capacities from 6 - 600 kg,	
Standard readability [g]	0.5	1	2	5		
Optional readability [g]	0.05	0.1	0.2	0.5	1 x 6000e see brochure PBD655 Digital	
Approved readability [g]	0.5	1	2	5		
Repeatability (sd) [g]	0.05	0.1	0.2	0.5	Weighing Platform	
Linearity [g]	0.1	0.2	0.5	1		
Housing size	Small	Small	Large	Large	240 x 300 mm - 600 x 800 mm	
Platform size [mm]	240x200	240x200	350x240	350x240		
Ingress Protection: Standard/Optional	IP54 / IP65	IP54 / IP65	IP54 / IP65	IP54 / IP65	IP65 / -	
Weight of scale [kg]	5.5	5.5	7.7	7.7	-	

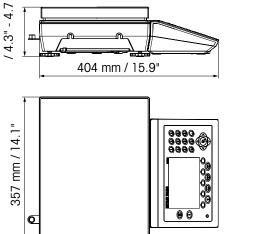
## Compact Scale with Small Platform



## Compact Scale with Large Plattform

The terminal is tightly mounted with two screws (wrench size 10 mm) on the platform.

The terminal can be mounted on the longer and the shorter side of the platform or just placed next to the platform or mounted to the wall.



110 - 120 mm / 4.3" - 4.7 514 mm / 20.2"

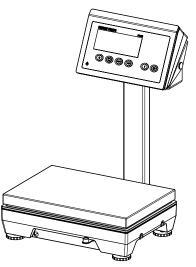


## Accessories

110 - 120 mm

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- Cable with plugs for the offered interfaces
- Column (height 330 mm)
- Wall bracket
- Windshield
- Printers (Sprinter; P25; P26)
- Cover for terminal
- Battery charger
- Auxiliary display
- Relay box
- Power supply with 9-28V DC



Model with accessory column (height: 330 mm)

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