

Designed for Fast Production

The New ICS4_5 and ICS685



Designed to Fit

These new rugged aluminum die-cast scales are the right fit for you. Take benefit from a wide range of applications, designs, various integration options and user-friendly operation.



Highest Performance

Increase your productivity by minimizing overfilling, avoiding underfilling and detecting incorrect parts. Benefit from up to four scale connections extending the capacity range and resulting in more accurate piece counting.



Easy Operation

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, 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 terminal 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 terminals feature different applications used in the manufacturing industries:

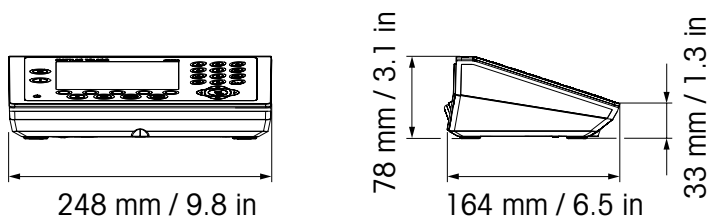
- Simple weighing
- Counting
- Totalizing
- Checkweighing
- Portioning, filling

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Terminals

terminals	Basic Weighing ICS425		Basic Counting ICS445		Advanced Counting ICS465		Multi Functional ICS685	
								
Application/Features	Basic weighing, Average weighing / Date & Time and Printing							
					Counting, Alibi / Transaction Memory, Softkeys and User Prompting			
					Over / Under Checkweighing, Portioning, Totalizing, Statistics, Scale embedded database (up to 100 articles)			
Dimension & Type	248.5x164x78 mm / 9.78x6.46x3.71 in 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							
Languages	English, German, French, Italian, Spanish, Chinese							
Keypad	Tactile-touch membrane keypad (PET), scratch-resistant material							
Numeric keypad	No	Yes	No	Yes	Alphanumeric keypad			
Net Weight	2 kg / 4.4 lb							
Shipping Weight	2.5 kg / 5.5 lb							
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 ~ 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 (Strain gauge) Class II 10 – 30 °C / 50 – 86 °F (MonoBloc®)							
Humidity	Max. rel. humidity 85 % for temperatures up to 40 °C							
Data interfaces	1 x Standard RS232 1 x Optional*						2 x Standard RS232 2 x Optional*	
	*Choose from the following interfaces: RS232, RS422/485, USB device/host, Ethernet, WLAN, Digital I/O, digital or analog 2nd scale							
Connectable platforms	1 scale can be connected all analog & SICS platforms				2 scales can be connected all analog & SICS platforms			
					4 scales can be connected (maximum 2 analog platforms)**			
	**1 Standard RS232 if you do 4 scales							
Analog scale connection	Impedance: ≥ 80 Ω (means 1 x 350 Ω; 4 x 350 Ω), Excitation: 3.3 VDC, Sensitivity: 2 to 3 mV/V Max. Resolution: 7500e (OIML), 300 000d (non approvable), Min. verification interval: 0.5 µV/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							
Accessories	Cable with plugs for offered interfaces, Stand (height 330 mm), Wall bracket, Printers (Sprinter; P25; P26), Cover for terminal, Battery charger, Auxiliary display, Relay module Power supply with 9-28VDC							

Terminal Dimensions



Compact Scales

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 [lb] [kg]	6 / 3	12 / 6	30 / 15	60 / 35	for higher capacities from 6 - 600 kg, 1 x 10'000d NTEP, 1 x 6000e OIML see brochure PBD655 Digital Weighing Platform
Approved readability NTEP/OIML [lb] [g]	0.001 / 0.5	0.002 / 1	0.005 / 2	0.01 / 5	
Optional readability [lb] [g]	0.0001 / 0.05	0.0002 / 0.1	0.0005 / 0.2	0.001 / 0.5	
Repeatability (sd) [g]	0.05	0.1	0.2	0.5	
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]	240 x 200	240 x 200	350 x 240	350 x 240	
Ingress Protection: Standard/Optional	IP54 / IP65	IP54 / IP65	IP54 / IP65	IP54 / IP65	IP65
Weight of scale [lb] [kg]	12.1 / 5.5	12.1 / 5.5	16.9 / 7.7	16.9 / 7.7	-

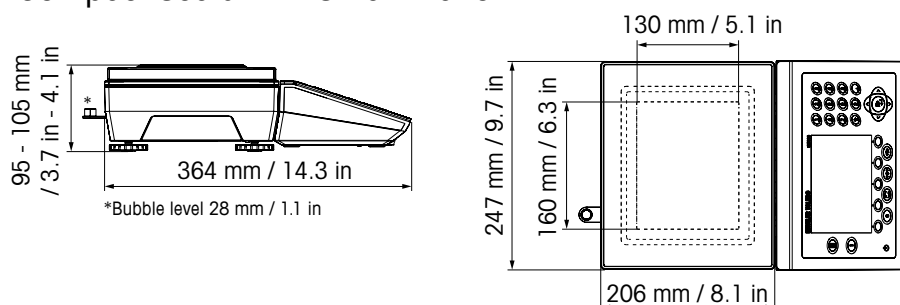
(*) reference scale configurability

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

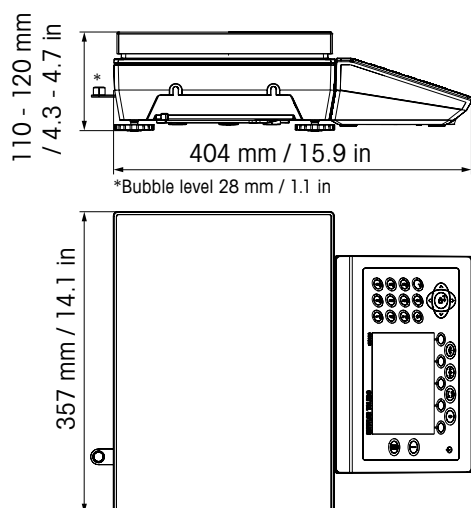
ICS425k-/ICS435k-/ICS445k-/ICS465k-/ICS685k-						
Model	0.6XS/f	3XS/f	6XS/f	6SM/f	15LA/f	35LA/f
Capacity [lb] [kg]	1.2 / 0.6	6 / 3	12 / 6	12 / 6	30 / 15	60 / 35
Approved readability NTEP/OIML [lb] [g]	0.00002 / 0.01	0.0002 / 0.1	0.0002 / 0.1	0.002 / 1	0.002 / 1	0.002 / 1
Optional readability [lb] [g]	0.000002 / 0.001	0.00002 / 0.01	0.00002 / 0.01	0.0002 / 0.1	0.0002 / 0.1	0.0002 / 0.1
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	240 x 200	350 x 240	350 x 240
Ingress Protection: Standard/Optional	IP54 / -	IP54 / -	IP54 / -	IP54 / IP65	IP54 / IP65	IP54 / IP65
Weight of scale [lb] [kg]	12.5 / 5.7	12.5 / 5.7	12.5 / 5.7	12.5 / 5.7	19.8 / 9	19.8 / 9

Compact Scale with Small Platform

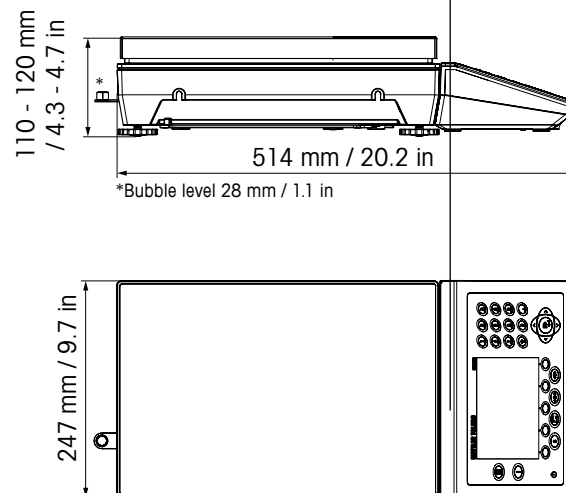


Compact Scale with Large Platform

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 with optional wall bracket.



Accessories

- 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 module
- Power supply with 9-28V DC

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For more information

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