

Safe and Accurate Weighing in Hazardous Areas



Uncompromised safety and compliance

You need global compliance and METTLER TOLEDO delivers. ATEX, FM_{C+US} and IECEx approvals allow worldwide utilization of the ICS466x. Specially designed for hazardous areas, it fulfills the requirements for Zone 1/21 or Division 1. The focus on the intrinsic safety ensures compliance with the latest regulations in hazardous areas.



Designed for easy use

Wearing gloves is no longer a stumbling block, as the big buttons simplify operation. Designed for checkweighing applications, the ICS466x provides a large graphical LCD display with colored backlight.



Versatile and powerful

Increase your productivity in every production step with the ICS466x. Intuitive operation paired with applications fit for many processes make using the terminal easy. Its compact design makes it easy to integrate the ICS466x into your existing process.



colorWeight®



Zone 1/21, Division 1



ICS466x Weighing Terminal

This terminal is developed for chemical industry applications, including:

- Basic weighing
- Checkweighing
- Totalizing
- Manual filling

When weighing in hazardous environments, you need accuracy and reliability without sacrificing safety. Operators need terminals that work simply within their existing processes without slowing productivity. The ICS466x offers enhanced versatility and connectivity to the safe area, while maintaining the weighing accuracy for which METTLER TOLEDO is known. The terminal can be connected to two platforms and display them, it can also be connected to the safe area via an additional communication module or RS232 barrier with the peace of mind that METTLER TOLEDO's terminal has safety covered in the hazardous area.

METTLER TOLEDO

1. Standard Configuration

Hazardous area

ICS466xa

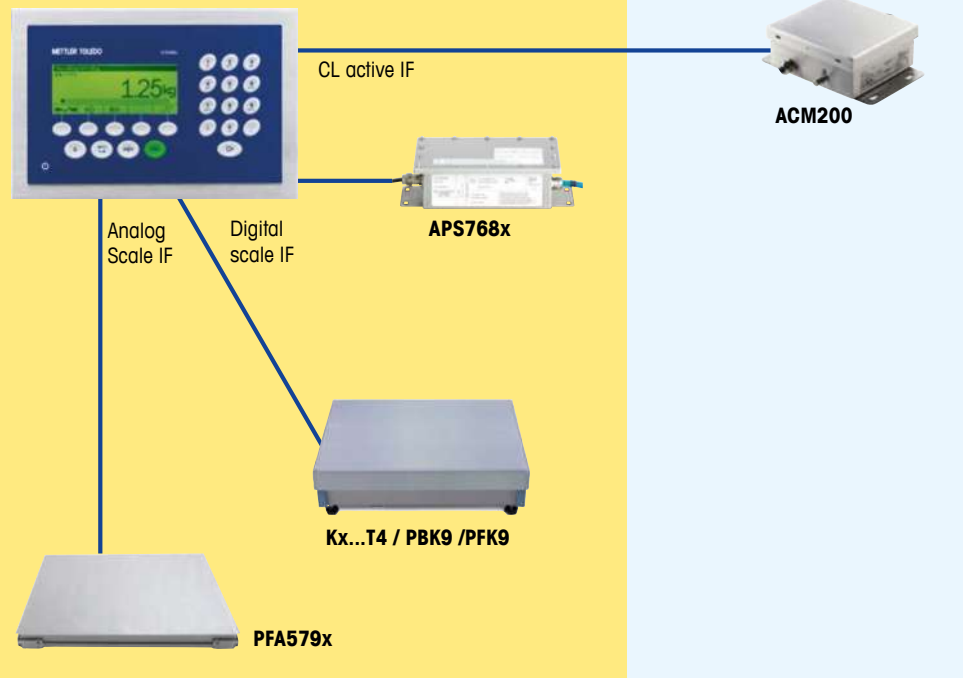


Connection	Configuration	max Distance
ICS466x - APS768x	See Configuration 1, 2	50 m
ICS466x - ACM200	See Configuration 2	300 m
ICS466x - Analog platform	See Configuration 1, 2	122 m
ICS466x - Digital platform	See Configuration 2	20 m

2. Configuration with communication in the safe area

Hazardous area

ICS466xa-dC

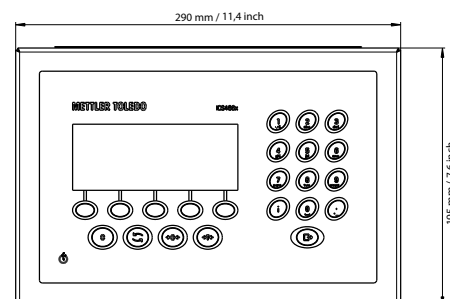
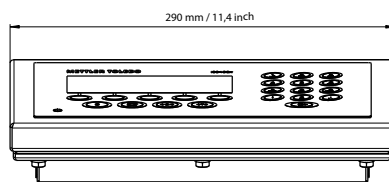
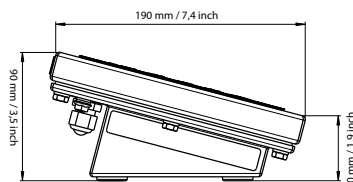


Technical data terminal



Parameter	ICS466x
Type	Stainless Steel (AISI304)
IP	IP65
Display	LCD liquid crystal graphical display with colored backlight
Character height	Default layout mode = 25 mm / 3-line info mode = 15 mm
Keypad	Tactile-touch membrane keypad (PET) Scratch-resistant material
Keys	Alphanumeric entry, Softkeys, Function keys
Weight	2.8 kg / 6.1 lb
Mains connection	Via APS768x-120 V resp. APS768x-230 V
Temperature range	-10°C ... +40°C
Humidity	85%
Data interfaces	1 x Standard RS232-IS 1 x Optional communication interface (CL active or CL passive)
Connectable platforms	One scale interface is built-in, the second is optional 2 scales can be connected (one analog and one digital scale, two digital scales) All analog, Kx...T4, PBK9 and PFK9 platforms which are approved for zone 1/21, Div1 can be connected to the terminal
Analog scale connection	Max. Resolution: OIML: 10000e Class III NTEP: 10000e Class III Impedance: 80 – 3000 Ω, Excitation: 3,3 V, Sensitivity: up to 3 mV/V, Min. verification interval: 0,26 µV/e
Digital scale connection	Max. Resolution: OIML: 100000e Class II, 10000e Class III NTEP: 32000e Class II, 10000e Class III
Approvals	ATEX/IECEx: II 2G Ex ib IIC T4 Gb, -10 °C ... +40 °C II 2D Ex ib IIIC T60°C Db IP65 FM: IS Class I, II, III; Division 1; Groups A, B, C, D, E, F, G; T4; Ta = 40 °C, IP65, NEMA, Type 4 AEx ib IIC T4; IP65, Type 4 Weight and Measures: OIML, NTEP
Application /Feature	Basic weighing Date & Time and Labelprinting Alibi Memory, User Prompting Checkweighing and Totalizing Data storage up to 100 articles Manual Filling

Specifications





Accessories

Article Number	Designation	Description
Interfaces		
30076833	ICS466x digital scale IF kit	To connect a digital scale. E.g. PBK9/PFK9
30076831	ICS466x active CL IF kit	For communication into the safe area via communication module
30076830	ICS466x passive CL IF kit	To connect a second digital scale. E.g. PBK9/PFK9
Stands		
72198702	Height 330 mm / 1.3 ft	For creating a column version of the ICS4_6x-Series, stainless steel
72198703	Height 660 mm / 2.6 ft	
22015188	Column adapter	Retrofit set for stands/brackets with single hole mounting method (M8 thread)
22026682	ICS466x column kit K...x-T4	For mounting the ICS4_6x-Series on a column, stainless steel Consisting of • Terminal adapter • 330mm column • Adapter for KA weighing platforms • Adapter for KB / PBK9 B weighing platforms
22026683	ICS466x compact scale kit K...x-T4	For creating a combi bench version of the ICS4_6x-Series, stainless steel Consisting of • Connecting bracket • Adapter for KA/PBK9 A and AB weighing platforms • Adapter for KB / PBK9 B weighing platforms
30076832	ICS466x bracket kit	For mounting the terminal in front of a weighing platform
504132	Floor stand, height 1000 mm / 3.3 ft, stainless steel	Floor stand for free installation of the weighing terminal. Includes mounting hardware for screwing to the floor, stainless steel
503701	Stand base, stainless steel	For movable installation of the floor stand, stainless steel
22014833	Wall bracket, stainless steel	For mounting the weighing terminal to the wall, stainless steel
504128	Bench stand, stainless steel	For mounting the weighing terminal to the bench weighing platforms 600 x 800 mm, stainless
22012196	Retainer, stainless steel	For mounting on the shaft of the PTA459 pallet scale, stainless steel
Sealing		
30076829	ICS466x sealing kit	For use in approved weighing mode
Power Supply		
22026727	APS768x-230 V	Power Module of weighing system
22026723	APS768x-120 V	Power Module of weighing system
Communication Module		
22026695	ACM200-AC	For communication into the safe area
22026692	ACM200-DC	For communication into the safe area

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For more information

METTLER TOLEDO Service

