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

EX

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.
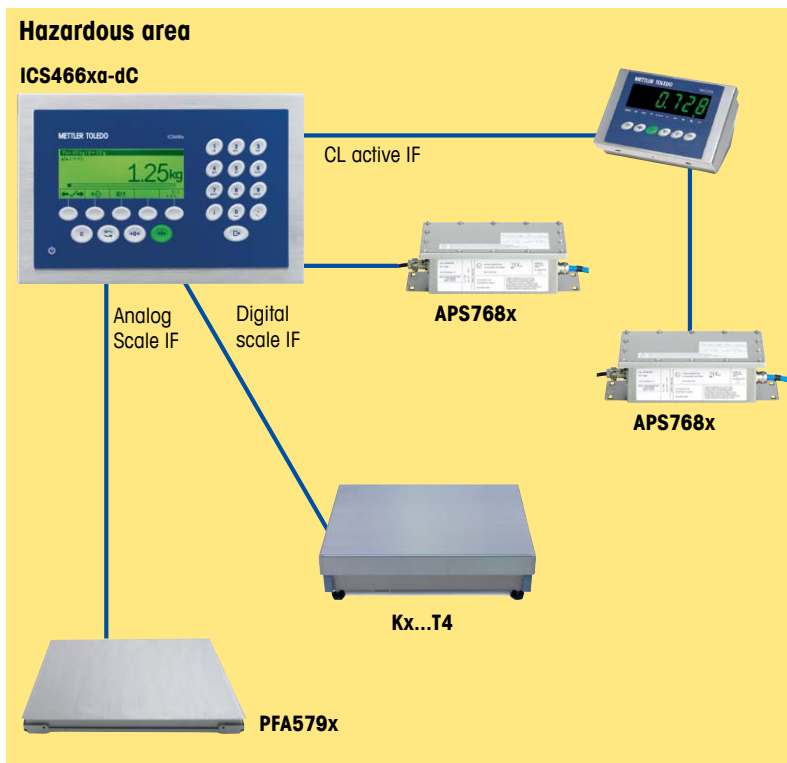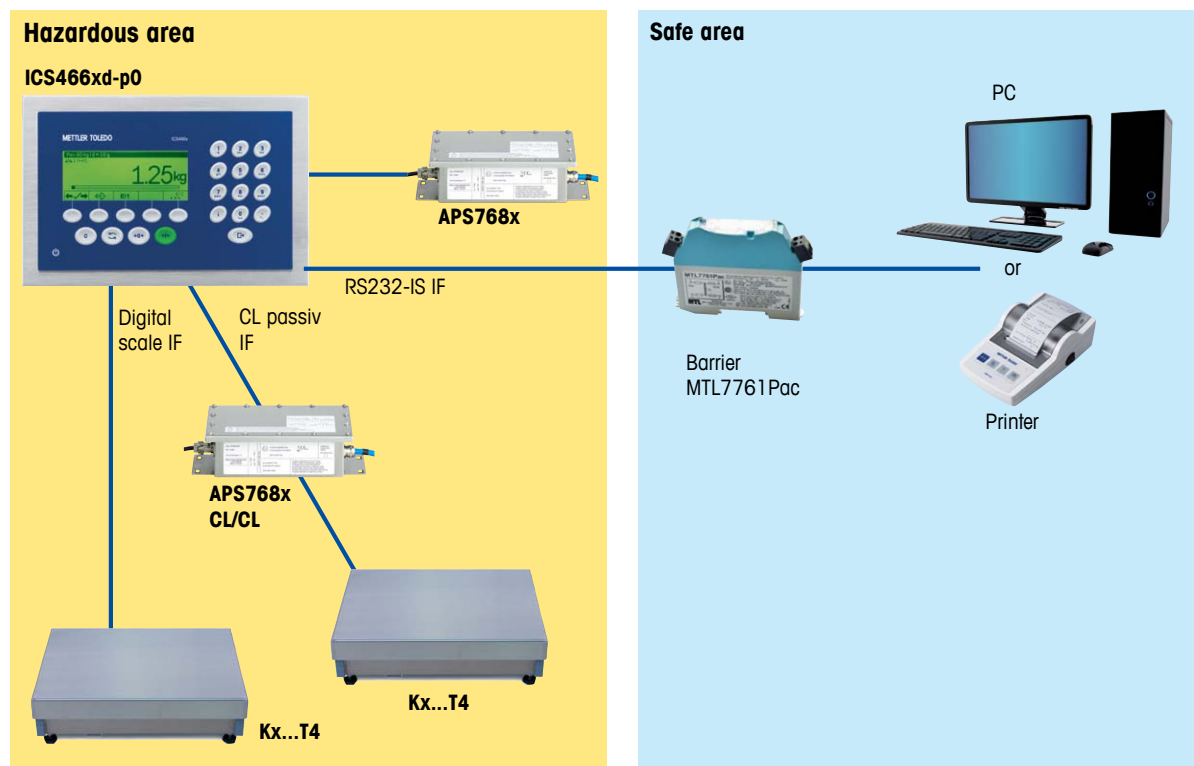
METTLER TOLEDO

1. Standard Configuration

Hazardous area

ICS466xa

Analog Scale IF

APS768x

PBA430x
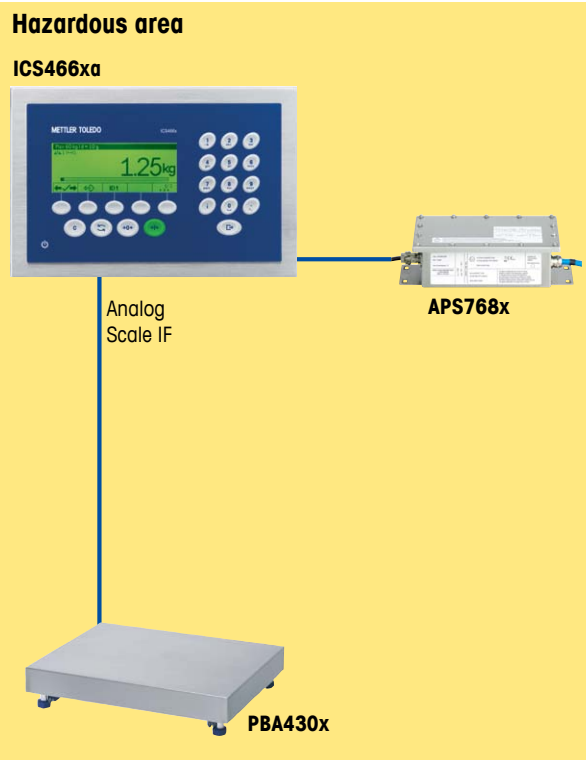
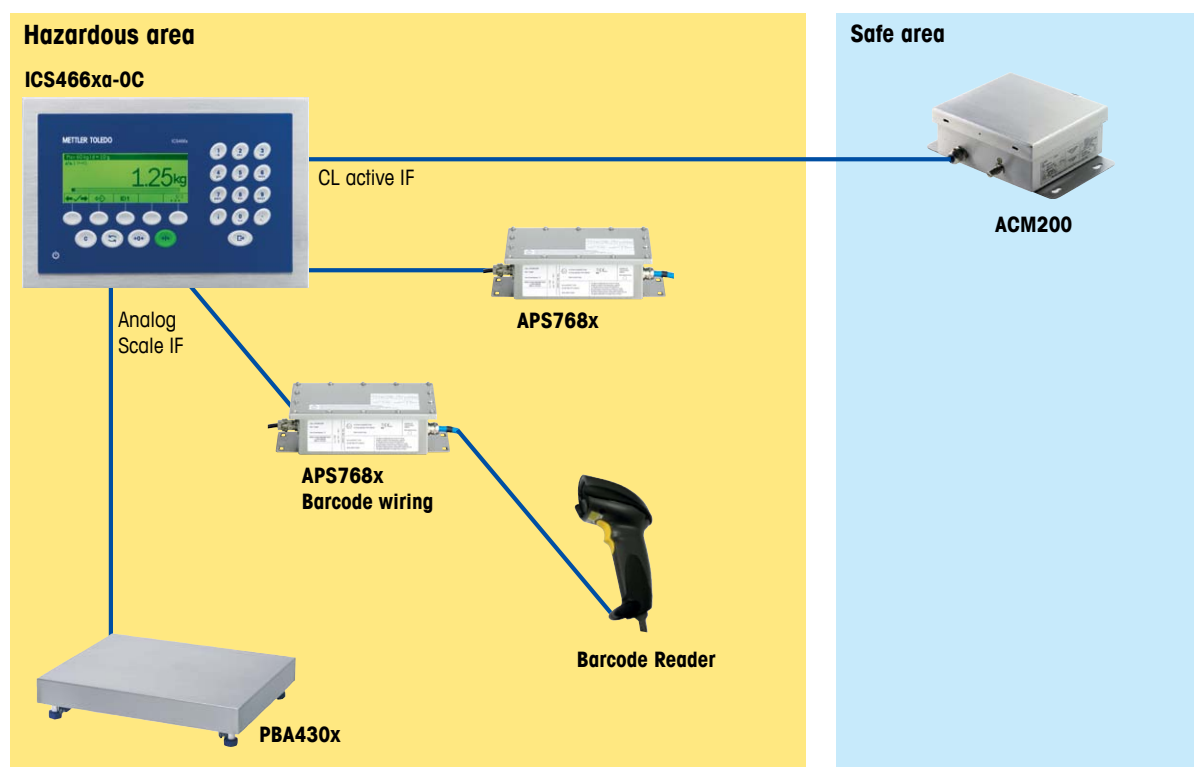| Connection	Configuration	max Distance
ICS466x - APS768x	See Configuration 1, 2, 3, 4	50 m
ICS466x - ACM200	See Configuration 4	300 m
ICS466x - Analog platform	See Configuration 1, 2, 4	122 m
ICS466x - Digital platform	See Configuration 2, 3	20 m
ICS466x - APS768x CL/CL	See Configuration 3	100 m
APS768x CL/CL - digital platform	See Configuration 3	20 m
ICS466x RS232-IS - MTL-PAC7761 barrier interconnected	See Configuration 3	10 m
ICS466x CL active -Remote terminal IND226x	See Configuration 2	300 m
ICS466x RS232-IS - APS768x Barcode wiring	See Configuration 4	10 m
APS768x Barcode wiring - Barcode Reader	See Configuration 4	5 m

2. Configuration with a remote terminal IND226x

Hazardous area

ICS466xa-dC

CL active IF

Analog Scale IF

Digital scale IF

APS768x

APS768x

Kx...T4

PFA579x

3. Configuration with two digital platforms

Hazardous area

ICS466xd-p0

Safe area

PC

1.25kg

APS768x

RS232-IS IF

Digital scale IF

CL passiv IF

Barrier MTL7761Pac

or

Printer

APS768x CL/CL

Kx...T4

Kx...T4

4. Configuration with Barcode Reader

Hazardous area

ICS466xa-0C

Safe area

1.25kg

CL active IF

ACM200

Analog Scale IF

APS768x

APS768x Barcode wiring

Barcode Reader

PBA430x

Technical Data

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	1x 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 and Kx…T4 platforms (approved for zone 1/21, Div1)can be linked to the terminal
Analoge 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
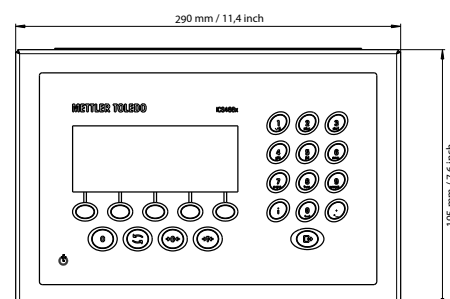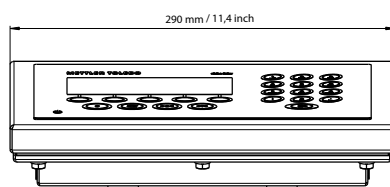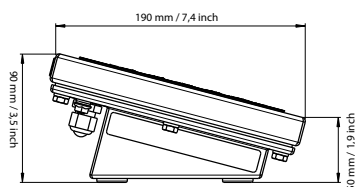
190 mm / 7,4 inch
90 mm / 3,5 inch
50 mm / 1,9 inch
290 mm / 11,4 inch
290 mm / 11,4 inch
195 mm / 7,6 inch

www.mt.com/ICS466x

For more information

METTLER TOLEDO Service

ISO 14001 certified
ISO 9001 certified