

Cable-Free Floor Scale



ACW520

Cable-Free Weighing Device

Eliminate Installation Costs

Fully Wireless Communication

2 Year Battery Life



Complete Freedom from Cables
Flexibility to Place Anywhere

METTLER TOLEDO



Cable-Free for Maximum Flexibility Floor Scale Installation Made Easy

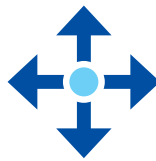
Typically requiring intense construction and drastic operational disruptions, it can be tempting to delay a floor scale project as long as possible – until now. Our new Cable-Free floor scale offers you the freedom to upgrade your facility, without the headache.

► www.mt.com/ind-cable-free-floor-scale



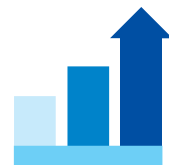
2 Year Battery Life

Unlike most wireless equipment, which requires frequent charging, the cable-free floor scale from METTLER TOLEDO offers an extended battery life of 2 years*. This means reduced shut downs for charging or battery changes, and ultra-low energy consumption.



Mobility for Lean Benefits

The ability to move your equipment where you need it, and out of the way when you do not, promotes lean manufacturing. Save space in critical locations, and purchase less total equipment with the cable-free and movable floor scale.



Stress-Free Upgrades

Increase the flexibility of your existing floor scale by converting to Cable-Free, at a fraction of the cost of a new scale. Upgrade kits fit into about 70% of our existing floor scale designs providing greatest versatility across the entire range.

* 2 years is based on the user model assumption of +20 °C, 3.6 h working, 20.4 h deep sleep. The battery life will be different in different user models.

No Troubles



Cable-Free is Ideal for:

- Hygienically sensitive environments requiring frequent cleaning
- High-traffic areas where tripping hazards should be avoided
- Facilities with reduced manufacturing floor space, especially clean rooms
- Reducing construction on site for easy installation
- Facilities with frequent station changes, scale and terminals are easily moved

Why Elephants Prefer Cable-Free

No matter where your weighing needs to take you, the Cable-Free floor scale offers the flexibility you need to get there. Watch the video to see a unique application!



www.mt.com/ind-cable-free-floor-scale

Cable-Free for Simplicity

Easy, Accurate and Safe from Day One

From day one installation to moving throughout your production line, the Cable-Free floor scale is designed with simplicity in mind. Set the scale exactly where you need it, weigh with pre-calibrated accuracy and benefit from 100% elimination of cable headaches.

► www.mt.com/ind-cable-free-floor-scale



Flexible and Simple Installation

The new Cable-Free floor scales reduces installation cost by up to 50% by eliminating the disruptive construction that comes with installing cables in the floor, walls or ceiling. You gain the flexibility to install your floor scale exactly where you need it, and move it when your needs change.



Eliminate Cable Issues

For some operations, burying equipment cables is not an option. In this case, there is a risk for operators to trip over cables, as well as accidentally cut cables in production. Eliminate these hazards and reduce downtime with a Cable-Free floor scale.

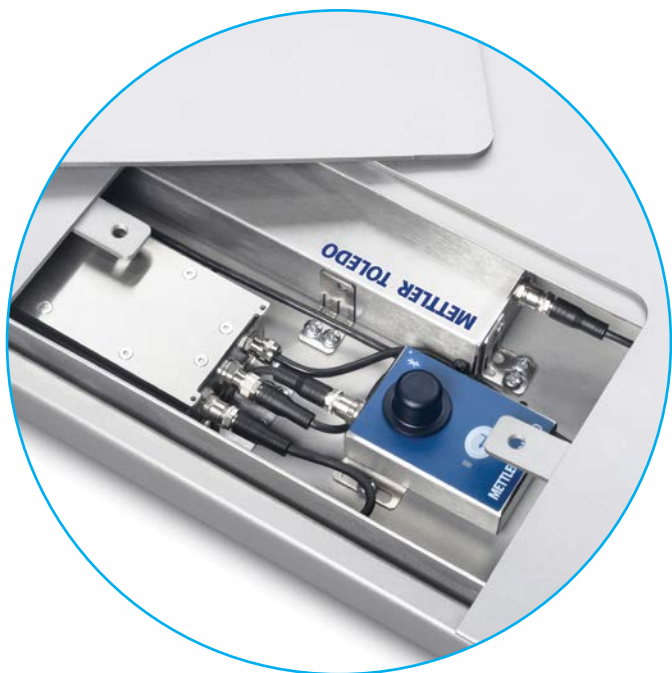


Accuracy Out-of-the-Box

By pre-calibrating the scale at the factory and storing it within the scale, you get out-of-the-box accuracy with an easy setup. Not only does this save you time and money during installation, it also gives you assurance that your weighments are METTLER TOLEDO accurate.

Wireless Terminal Communication

With wireless communication of up to 20 meters from the scale to the terminal, you have total flexibility of component placement. Signal interference from other equipment is eliminated by using advanced Bluetooth 5.0 technology.



Take a look inside...



Global Compliance

- Metrology: OIML, NTEP, CPA
- Wireless: FCC, CE/RED, SRRC
- EMC: FCC, CE
- Bluetooth: SIG
- Safety: UN38.3/Battery transportation, IEC/EN61010, UL



Technical Specification

Cable-Free Option for Floor Scales



Choose cable-free weighing for your specific floor scale application.

Contact your local METTLER TOLEDO representative for details.

► www.mt.com/contacts

Bluetooth Module ACW520-BT

Parameter		Specification
Bluetooth version		Bluetooth 5 (Bluetooth 4.x compatible)
Communication distance		Up to 20 meter depending on environment
Housing		304 stainless steel
Ingress protection		IP68/IP69k
Inner antenna	Output power (dBm)	5
	Sensitivity (dBm)	-97
Power supply (VDC)		3.3 ~ 12
Operating button		One multi-function key
Indicator		Three color LED indicator (red, yellow, green)
Accessory bracket		304 stainless steel
Approval	Wireless	SRRC (CN)
		FCC (US)
		CE/RED (EU)
	EMC	FCC (US)
		CE (EU)
	Bluetooth	SIG
	Safety	UL
IEC/EN61010		

Digital Junction Box AJB569-d

Parameter		Specification
Corner adjustment		4x trim pots
Number of conductors of load cell		4 wire or 6 wire
Ground		Via mounting bolt
Temperature range	Operating	-10 °C ~ +40 °C
	Safe storage	Safe Storage -30 °C ~ +80 °C
Excitation voltage (VDC)		2
Material	Housing	Stainless steel
Ingress protection		IP68/IP69k
Approval	Safety	UL
	Metrology	CPA, OIML, NTEP
	EMC	FCC, CE
Input power (VDC)		5.4 ~ 8
Accuracy		3000e (OIML) , 5000d (NTEP)
Interface		SICS Pro

Battery ACW520-BR

Parameter		Specification
Battery type		Primary lithium-thionyl chloride
Nominal capacity (Ah) (at 5 mA + 20 °C 2.0 V cut-off. The capacity restored by the cell varies according to current drain, temperature and cut-off)		85
Battery operating time (Hours) in +20 °C		2100
Open circuit voltage (VDC)		7.0 ~ 7.3
Nominal voltage (VDC)		7.2
Maximum recommended continuous current (mA)		60
Storage		+30 °C (+86 °F) max.
Operating temperature range		-10 °C ~ +40 °C
Li metal content		Approx. 45 g
Ingress protection		IP68/IP69k
Approval		UL



Cable-Free floor scales are not for use in hazardous area applications.

Terminals that Fit Your Application

When paired with the right terminal and connectivity option, Cable-Free floor scales are excellent stand-alone solutions for many industries and applications.



ICS429

The rugged and easy to clean stainless steel design makes it best suited for wet, harsh or hygienic environments in either the food, pharmaceutical or chemical industry.



ICS689

With the network-compatible stainless steel ICS689, METTLER TOLEDO provides the ideal weighing terminal for connection to a FreeWeigh.Net® system in wet or harsh manufacturing environments.



IND570 process terminal

Features a broad offering of functions to manage weighing applications. Introducing advances in connectivity, performance verification and efficient, secure access to critical process data, the IND570 satisfies ever-increasing demand for measurement

For more information on the terminals visit:

► www.mt.com/terminals

www.mt.com/ind-cable-free-floor-scale

For more information

METTLER TOLEDO Group

Industrial Division

Local contact: www.mt.com/contacts



Subject to technical changes

©12/2018 METTLER TOLEDO. All rights reserved

Document No. 30418591

MarCom Industrial