

Quality Data Management in Harsh Environments

**Optimized for productivity**

ICS689rem has been optimized for connection to FreeWeigh.Net®. The ability to connect to this networked quality assurance system ensures critical quality control parameters are recorded and can be centrally managed for complete coverage of your production process.

**Interface flexibility**

Various interfaces are available for connecting either an analog or digital weighing platform, or for network connection via an Ethernet cable or WLAN. All interfaces are easily accessible via IP69k protected connectors.

**ICS689rem remote terminal**

A high degree of ingress protection and hygiene

For quality control in environments with strict hygiene requirements, special measuring instruments are needed. They must be easy to clean as well as completely waterproof. With the network-compatible stainless steel ICS689rem, METTLER TOLEDO provides the ideal weighing terminal for connection to a FreeWeigh.Net® system in wet or harsh manufacturing environments. To easily and quickly maintain hygienic weighing, ICS689's flat surface and materials allow simple, thorough cleaning in line with EHEDG and NSF guidelines. IP69k protection also allows use of high-pressure washers.

e **FreeWeigh.Net®**

EHEDG

IP69k

NSF

METTLER TOLEDO

Technical Data ICS689rem

	ICS689 
Dimension & Type	260x170x114 mm / 10.24x6.69x4.49" Stainless steel 1.4301 or AISI 304
Display	Color TFT display
Character height	Default layout mode = 26 mm 3-line info mode = 18 mm Color mode = 26mm
Keypad	Piezo keypad Scratch-resistant material
Alpha-Numeric keypad	Yes
Keystrokes	> 10.000.000
Mains connection	100 – 240 V / 50 – 60 Hz / 300 mA, Power cord approx. 2.5 m
Battery	12 V / 2.5 A 1 strain gauge weighing in cell continuous operation ~ 15h (depends also on which data interfaces are assembled) Life time: 500 to 1,000 charging/discharging cycles
Temperature range	Class III -10 – 40 °C / 14 – 104 °F Class II 0 – 40 °C / 32 – 104 °F
Humidity	Max. rel. humidity 85 % for temperatures up to 40 °C
Data interfaces	Standard: 1 x RS232 and 1 x Ethernet plus 1 additional data interface: RS232
Scale interfaces	Terminal is already equipped with one analogue scale interface due to the combi bench solution 1 additional platform can be connected: 2 nd analogue, IDNet or SICS scale
Analog scale connection	Impedance: ≥ 80 Ω Excitation: 3,3 V Sensitivity: 2 to 3 mV/V Max. Resolution: 7500e (OIML), 300.000d (non approvable) Min. verification interval: 0,5 µV/e
Approvals	OIML, NTEP, IP66, IP68, IP69k, CE, CSA C US, EHEDG, NSF, GMP
Special Features	Equipped with remote firmware for FreeWeigh.Net® connectivity



IDnet or analog platforms

The terminal can be used with platforms with either analog and digital load cells. The KA3S platform (pictured at right), with a weighing range of up to 3kg and a calibrated resolution of 0.1g is an ideal scale for monitoring fill quantity of packaged goods.

Order information

ICS689rem/Analog	22'024'496
ICS689rem/IDNet	22'024'497
ICS689rem/SICSPro	22'201'318

METTLER TOLEDO Service

Mettler-Toledo AG

CH-8606 Greifensee
Switzerland
Phone +41 44 944 22 11
Fax +41 44 944 30 60



**ISO/IEC17025 Accredited
Service Organizations**
Results, not promises.

www.mi.com/ICS689rem

For more information

Subject to technical changes
© 04/2015 Mettler-Toledo AG
Printed in Switzerland
MarCom Industrial
MTSI 30238039