



# SWISSMET IP67 FUNCTIONS

IP67



SWISS  
ELECTRONICS



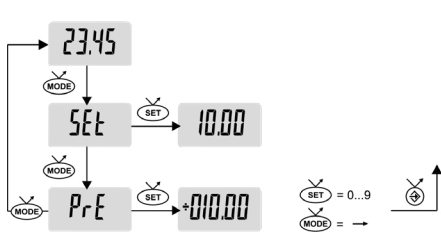
**MODE**  
 Mode Button  
 Bouton Mode  
 Mode Taste  
 Pulsante Mode  
 Botón Mode

**SET**  
 Set Button  
 Bouton Set  
 Set Taste  
 Pulsante Set  
 Botón Set

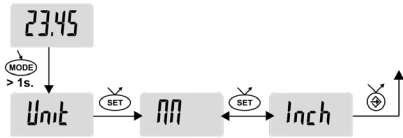


## CR2032 BATTERY (3V)

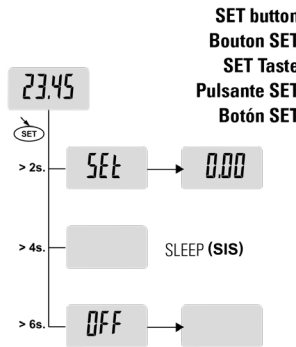
| MODE             |            |           |
|------------------|------------|-----------|
| WIRELESS OFF     |            | 45 µA     |
| WIRELESS TO MDS  | STANDARD   | 2.0 mA    |
|                  | ECO (GATT) | 45-100 µA |
| WIRELESS HID     |            | 0.4 mA    |
| WIRELESS HID+MAC |            | 0.4 mA    |



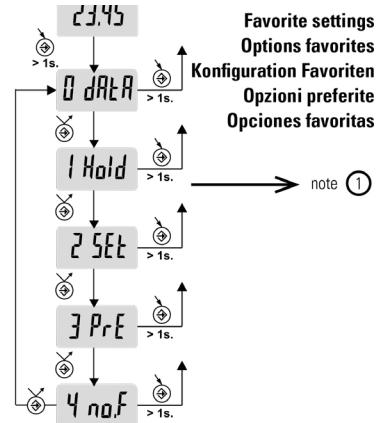
**MODE button**  
 Bouton MODE  
 MODE Taste  
 Pulsante MODE  
 Botón MODE



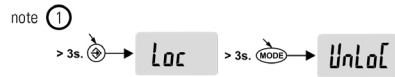
**Setting**  
 Réglages  
 Einstellung  
 Ambientazione  
 Ajuste



**SET button**  
 Bouton SET  
 SET Taste  
 Pulsante SET  
 Botón SET



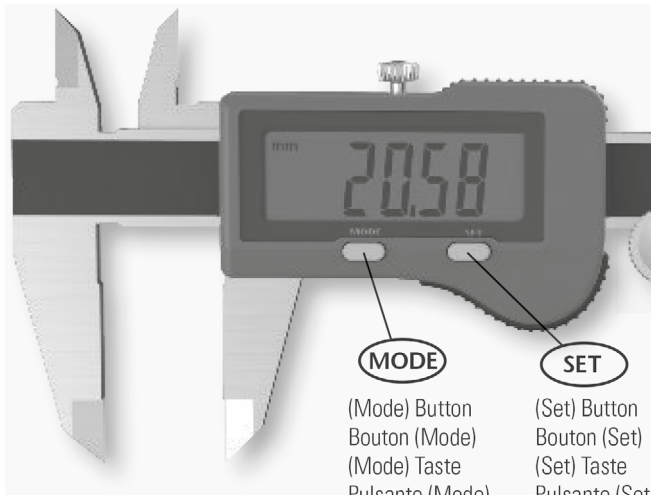
**Favorite settings**  
 Options favorites  
 Konfiguration Favoriten  
 Opzioni preferite  
 Opciones favoritas



**Activation/Deactivation**  
 Activation/Désactivation Options favorites  
 Aktivierung/Deaktivierung Konfiguration Favoriten  
 Attivazione/Disattivazione Opzioni preferite  
 Activación/Desactivación Opciones favoritas

|  |  |                           |
|--|--|---------------------------|
| Resolution / Résolution / Auflösung / Risoluzione / Resolucón  | 0.01 / .0005"  | 0.001 / .00005"           |
| Repeatability / Répétabilité / Wiederholbarkeit / Ripetibilità / Repetibilidad   | 10µm / .0005"  | 4µm @40mm / .00015" @1.5" |
| Max slider speed / Vitesse max / Max Verteilgeschwindigkeit / Velocity max / Velocidad màx   | Max 2.5m/s. - 100"/s.  |                           |
| Display refresh rate / Nombre de mesure-s / Anzahl Messungens-s / Numero di misura-s / Número de medidas-s   | > 10 / s.  |                           |
| Data output / Sortie de données / Datenausgang / Uscita dati / Salida de datos   | S_Connect Proximity --> USB or RS (compatible RS232)<br>4800 Bds, 7 bits, even parity, 2 stop bits |                           |
| Mean power consumpt. / Consommation moyenne / Verbrauch / Consumo / Consumo  | 45 µA  |                           |
| Battery life / Vie de la batterie / Batterie-Lebensdauer / Autonomia / Autonomia   | 8000h  |                           |
| Working temperature (storage) / Température de travail (stockage) / Arbeitstemperatur(Lagerung) / Temperatura operativa (stoccaggio) / Temperatura de trabajo (almacenamiento) | +5° to +40°C<br>(-10° to +60°C)  |                           |
| Weight / Poids / Gewicht / Peso / Peso   | 175g / 205g / 275g   | 175g                      |
| Measuring system / Système de mesure / Messsystem / Sistema di misura / Sistema de medida  | Sylvac system patented   |                           |
| IP specification / Spécification IP / IP spezifikation / Specifica IP / Especificación IP  | IP 67 (IEC60529)   |                           |

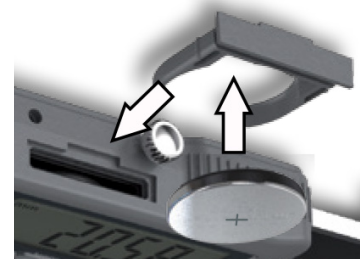
# SWISSMET IP67 FUNCTIONS



**MODE**  
 (Mode) Button  
 Bouton (Mode)  
 (Mode) Taste  
 Pulsante (Mode)  
 Botón (Mode)

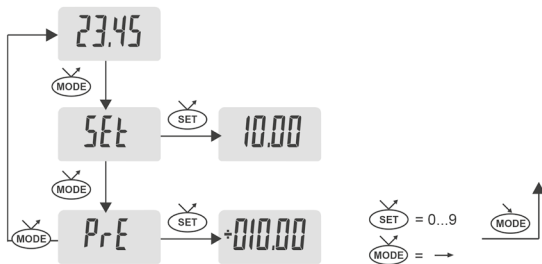
**SET**  
 (Set) Button  
 Bouton (Set)  
 (Set) Taste  
 Pulsante (Set)  
 Botón (Set)

10µm



## CR2032 BATTERY (3V)

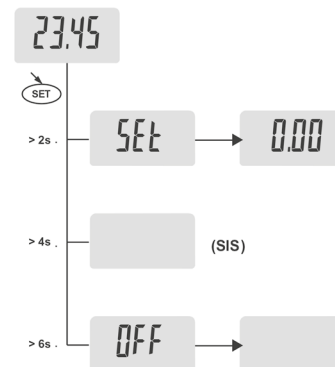
**MODE**  
**STANDARD MODE** 45 µA



**MODE button**  
 Bouton **MODE**  
**MODE** Taste  
 Pulsante **MODE**  
 Botón **MODE**

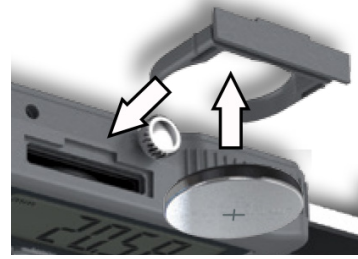


**Setting**  
 Réglages  
 Einstellung  
 Ambientazione  
 Ajuste



**SET button**  
 Bouton **SET**  
**SET** Taste  
 Pulsante **SET**  
 Botón **SET**

|  |  |
|--|--|
| Measuring range / Etendue de mesure / Messbereich / Campo di misura / Campo de medida  | 150 mm - 6" / 200mm - 8" / 300mm - 12"     |
| Resolution / Résolution / Auflösung / Risoluzione / Resolución   | 0.01 / .0005"                              |
| Max. error / Erreur max. / Fehlergrenze / Error max / Error màx  | 100mm: 20µm<br>100-300mm: 30µm (DIN862)    |
| Repeatability / Répétabilité / Wiederholbarkeit / Ripetibilità / Repetibilidad   | 10µm / .0005"                              |
| Max slider speed / Vitesse max / Max Verteilgeschwindigkeit / Velocity max / Velocidad màx   | Max 2.5m/s - 100"/s.                       |
| Display refresh rate / Nombre de mesure-s / Anzahl Messungens-s / Numero di misura-s / Número de medidas-s   | > 10 / s.                                  |
| Mean power consumpt. / Consommation moyenne / Verbrauch / Consumo / Consumo  | 45 µA                                      |
| Battery life / Vie de la batterie / Batterie-Lebensdauer / Autonomia / Autonomia   | 8000h                                      |
| Working temperature (storage) / Température de travail (stockage) / Arbeitstemperatur(Lagerung) / Temperatura operativa (stoccaggio) / Temperatura de trabajo (almacenamiento) | +5° to +40°C<br>(-10° to +60°C)            |
| Weight / Poids / Gewicht / Peso / Peso   | 175g / 205g / 275g                         |
| Measuring system / Système de mesure / Messsystem / Sistema di misura / Sistema de medida  | Sylvac system patented                     |
| IP specification / Spécification IP / IP spezifikation / Specifica IP / Especificación IP  | IP54 / IP 67 (IEC60529) - depends on model |



CR2032 BATTERY (3V)



**SET** - Functions setting: *PRESET, LIMITS, UNITS, MIN/MAX*

**MODE** - Favorite key to one of the most used function

**0** - Setting 0, PRESET value

**ONLY WIRELESS MODIFICATION**

**DATA** - Switch on **WIRELESS** module / data transfer

| MODE             |            |           |
|------------------|------------|-----------|
| WIRELESS OFF     |            | 45 µA     |
| WIRELESS TO MDS  | STANDARD   | 2.0 mA    |
|                  | ECO (GATT) | 45-100 µA |
| WIRELESS HID     |            | 0.4 mA    |
| WIRELESS HID+MAC |            | 0.4 mA    |

# WIRELESS MODIFICATION



MICROTECH caliper with Built-in Wireless data output module for transfer results

| MODE             | TRANSFER DATA                              | Switch ON  | Switch OFF                          | Select MODE                | DATA send         |                     |
|------------------|--|--|-------------------------------------|----------------------------|-------------------|---------------------|
| WIRELESS TO MDS  | STANDARD                                   | MICROTECH MDS app<br>Windows, Android, iOS, MacOS    | 2s. auto switch off when disconnect | STANDARD or ECO in MDS app | blinking non stop | push, or on MDS app |
|                  | ECO (GATT)                                 |  | all time active                     |                            | no                |                     |
| WIRELESS HID     | Direct to any customer app (like keyboard) | 2s auto switch off when disconnect or no data 10 min | 5s. and connect BT on PC or Tablet  | blinking 2 sec             | push              |                     |
| WIRELESS HID+MAC |  |  |                                     |                            |                   |                     |

## WIRELESS DATA TRANSFER CONNECTION

**SWITCH ON WIRELESS** module push button 2 sec;

In **WIRELESS TO MDS** non-stop blinking on display up to connection to MDS app and selecting **STANDARD** or **ECO** sub-mode. *ECO recommended for battery economy*

In **STANDARD** submode data transfer 4 times/sec and all time on display.

Push button to save data to MDS app or use buttons and Timer inside app.

In **ECO (GATT)** submode caliper ready to transfer data any time with no indication.

Push button to save data on MDS app.

For selecting next mode push 5 sec.

**WIRELESS HID** and **WIRELESS HID+MAC** blinking 2 sec on display and will be ready for searching on Tablet, Smartphone or Computer Bluetooth connections.

After succesfull connection save data to customers app with push button.



**DOWNLOAD**  
MDS app WINDOWS



**DOWNLOAD**  
MDS app iOS, MacOS



**DOWNLOAD**  
MDS app ANDROID



**CONNECTION**  
possibilities

## VIDEO MANUAL

Video manual with Connection on MICROTECH YouTube  
<https://www.youtube.com/@Microtech-Instruments> or by QR code scanning



## MICROTECH

innovative measuring instruments

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