

# Smartfill Smartweigh

**emt**   
Experts in ultrafast SF6  
gas analysis and handling



An integrated weigh scale facility with the traceability of mass flow control, Smartweigh supports the filling and topping up of SF6 compartments and breakers.

The filling up and topping of SF6 compartments can use large volumes of gas over an extended time period creating potential issues such as:

- Safety of people
- Reliability of topping up procedures
- Precision of filling/human error
- Accuracy of SF6 inventory and usage
- Compliance and traceability

For operators who prefer to use the weighing scale approach Smartweigh can be added to the Smartfill product, giving the additional benefit of being able to back up results with a weight generated by the scales.

Smartweigh scales are rugged, IP67 rated and meet all required standards.

Exported datalogged information allows for complete traceability and report generation to ensure compliance. Smartweigh also meets the CARB USA requirements for SF6 inventory measurement procedures.

## Features

- Supports SF6 filling and topping up
- Integrated weighing scale
- Mass flow control
- Measures SF6 inventory and usage
- Complete traceability for compliance
- Accuracy and precision removes human error
- Safe SF6 gas handling
- Robust, IP67 rated scales
- Meets all SF6 measurement standards



For more information or a demonstration contact [sales@emt.global](mailto:sales@emt.global) or visit [www.emt.global](http://www.emt.global)

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## Technical Specification

|  |   |
|--|---|
| <b>Operation/<br/>Application</b>          | Gas cylinder weighing   |
|  | Scales can be used to compare total SF6 gas used during a filling operation with the Totalizer value displayed by the Smartfill |
| <b>Weighing<br/>Range</b>                  | 0-300lbs  |
|  | 0-136Kg   |
| <b>Accuracy</b>                            | SmartWeigh Weigh Scale $\leq 0.1$ (% of Span)   |
|  | Smartfill Mass Flow Controller (MFC)  |
|  | Flow 1% of FS   |
|  | Pressure sensors 0.5 % FS   |
|  | Max inlet pressure: 10 Barg (145 PSI)<br>Min inlet pressure: 2 Barg (29 PSI)  |
| <b>Display</b>                             | Weight is shown on Smartfill display when connected   |
| <b>Power Supply</b>                        | Ac power 110/230VAC - 50/60Hz and battery   |
| <b>Operating<br/>Temperature<br/>Range</b> | -20 to +40°C (-4 to +140 °F)  |
| <b>Weight</b>                              | 21Kg (46lbs)  |
| <b>Case<br/>Construction</b>               | Peli case IP67 with integrated Smartweigh scales compartment  |
| <b>Dimensions</b>                          | L500 x W350 x D470 mm<br>(19.11" x 14" x 18.5")   |



For details of your local EMT distributor, for further information on our products or to request a demonstration please contact us:

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