



## SOLIS® Sensor Flushometer

### SOLIS 8186 SMT-SMT-0.125-CP

#### Product description

0.125 gpf, SC Argus® Pro Compatible, Dual-Filtered Fixed Bypass Diaphragm, Polished Chrome Finish, 0.75" Flush Connection, Fixture Connection Top Spud, Single Flush, Electrical Override, Solar, Infrared, 10.5" Vacuum Breaker, SOLIS® Exposed Sensor Urinal Flushometer.

#### Compliances & Certifications



(ADA Compliant\*, BAA Compliant, FCC Compliant, IAPMO, LEED Water, cUPC Certified, EPA WaterSense Listed)

#### Code 33700012

##### Finish

 Polished Chrome (CP)

##### Connectivity

IoT - SC Argus® Pro Compatible

##### Downloads

-  [Solis 8100 Series Installation Instructions.pdf](#)
-  [Control Stop Repair and Maintenance Guide.pdf](#)
-  [Flush Connections Flanges Repair and Maintenance Guide.pdf](#)
-  [Additional Downloads](#)

##### Videos

-  [PVD Special Finishes](#)

Details

- Flush Volume: 0.125 gpf (0.5 lpf)
- Finish: Polished Chrome (CP)
- Power Type: Solar
- Valve: Diaphragm
- Bypass: Dual-Filtered Fixed Bypass Diaphragm
- Valve Body Material: Semi-red Brass
- Fixture Type: Urinal
- Fixture Connection: Top Spud
- Rough-in Dimension: 11.5" (292mm)
- Spud Coupling: 0.75" (19mm)
- Supply Pipe: 0.75" (19mm)
- Program: SC Argus® Pro Compatible
- Override: Electrical
- Vacuum Breaker: 10.5"
- Flush Connection: 0.75" (19mm)

Features

- Quiet, Exposed, Sloan Solis® Single Flush, Solar Powered, Sensor Activated Urinal Flushometer
- Sweat solder adapter with cover tube and cast wall flange with set screw
- Solar Powered- The sensor assembly is powered by a solar cell that will harvest power from the artificial indoor light (incandescent, fluorescent or LED), and use it as the energy source. The solar cell can provide approximately 100% power with 650 illuminance (lux).
- Four (4) Size AA Battery Back-up Power Source with "Low Battery" Flashing LED
- Operates by means of an infrared sensor with multiple-focused, lobular sensing fields for high and low target detection
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Engineered Metal Cover with replaceable Lens Window
- PERMEX® Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- High copper, low zinc brass castings for dezincification resistance
- Flushometer operates normally when not connected to the SC Argus® Pro system
- IOT Smart Capabilities - Compatible with Sloan's SC Argus® Pro smart restroom system for wireless remote management and monitoring

Recommended specifications

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037 and ANSI/ASME 112.19.2.

Electrical specifications

- Arming Delay: 8 seconds
- Flush Delay: 3 seconds

Valve Operating Pressure (Flowing)

15-80 psi (103 - 552 kPa). Specific fixtures may require greater minimum flowing pressure - consult manufacturer requirements.

Battery Specifications

| Usage     | 4-AA Battery Service Life† |        |       |         |
|-----------|----------------------------|--------|-------|---------|
|           | 24 yrs                     | 18 yrs | 9 yrs | 7.2 yrs |
| per month | 500                        | 1,000  | 3,000 | 4,000   |
| per day   | 25                         | 50     | 150   | 200     |

† Service life varies according to actual usage and restroom conditions  
Battery shelf life: Alkaline= ~10 years - Lithium= ~25 years

Warranty

[View Warranty Information](#)

Notes

All information contained within this document subject to change without notice.

\*Compliant with ADA accessibility requirements when installed according to ADA standards.  
WaterSense compliant when used with a 0.125 gpf (0.5 lpf) WaterSense fixture.

Looking for other variations of the SOLIS 8186 SMT product?  
[View the general spec sheet with all options.](#)  
[Find a compatible urinal](#) for this flushometer.  
[Find a compatible water closet](#) for this flushometer.

