

# ESD Safe CleanWIPE® 1800 Series Swabs

*cleaning critical surfaces*



## Description

1800 Series ESD Swabs are designed to clean static sensitive assemblies. CleanWIPE®, a super-soft, open-cell foam is thermally shaped and sealed around an ESD safe, solvent resistant handle to create a precision cleaning swab. Proprietary manufacturing process results in resilient foam cleaning tips that reduce abrasion related particle shedding while enabling efficient cleaning performance. 1800 series swabs are ideal for difficult tasks requiring precision cleaning of lubricant, epoxy, solder ball and solder flux residues. 1800 series swabs are widely used with IPA in the aerospace, medical electronics, optics and disk drive industries.

## Advantages

- Excellent absorbency and abrasion resistance reduces contamination when cleaning sharp or rough surfaces such as suspensions, sliders, HGAs and HSAs.
- Extremely low ionic and NVR Levels
- Both the swab tip and handle are static dissipative
- Low tribocharge, less than 5 volts dry
- Silicone and Amide free

## ESD Performance

### Handle Surface Resistivity:

Dissipation:  $\pm$  1000 volts to 10 volts in less than 1 second at 50% RH

## Cleanliness

Particles: < 25k per swab @ .5 $\mu$

TNVR's: (Total Non-Volatile Residue): mg/swab

NVR (DI Water) <0.15

NVR (IPA) <0.40

Ionics:  $\mu$ g/tip

Chloride  $\leq$ 0.90









Sulfate  $\leq$ 0.40

Anions:  $\leq$ 1.3

# Swab Models

Measured in Millimeters.  $\pm 0.02$

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Product Name	HT1801	HT1802	HT1803	HT1814	HT1829	HT1830	HT1832	HT1850
								
Head Material	CleanWIPE® Reticulated Polyurethane Foam							
Head Thickness	5.5	3.2	2.7	2.4	2.9	2.4	3.6	2.6
Head Width	6.0	4.1	2.8	2.4	3.8	3.7	3.6	2.6
Head Length	18.0	10.5	10.5	9.5	10.0	9.2	11.0	10.5
Handle Material	Polypropylene With Permanent ESD Additive							
Handle Diameter	2.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Handle Length	132.5	58.5	58.0	58.5	58.7	59.0	57.5	58.4
Total Swab Length	150.5	68.5	68.0	68.0	68.7	68.2	68.5	68.9
Head Bond	Thermal							
Handle Color	White							
Description	Flexible, Oval	Semi-Flexible, Bulb	Small Flexible	Rigid, Spear, Pointed	Flexible Paddle	Thin, Flexible, Paddle	Rigid, Round	Flexible, Spear Pointed

## Available Packaging

### Static Dissipative

#### Swab P/N

HT1801-500  
 HT1802-500  
 HT1803-500  
 HT1814-500  
 HT1829-500  
 HT1830-500  
 HT1832-500  
 HT1850-500

### Package Quantity

#### UOM

500/Bag  
 500/Bag  
 500/Bag  
 500/Bag  
 500/Bag  
 500/Bag  
 500/Bag  
 500/Bag

### Case Quantity

#### UOM

16 Bags/Case  
 25 Bags/Case  
 25 Bags/Case  
 25 Bags/Case  
 25 Bags/Case  
 25 Bags/Case  
 25 Bags/Case  
 25 Bags/Case



Wiltshire Contamination Control Division

[www.foamtecintlwcc.com](http://www.foamtecintlwcc.com)