



# 1800 Series Electrostatic Discharge Safe Swabs



## Description

1800 Series Electrostatic Discharge Safe Swabs are designed to protect ESD sensitive assemblies during cleaning. CleanWIPE®, a super-soft, open-cell foam is thermally shaped and sealed around a static dissipative handle to create a precision cleaning tool. The handle is inherently static dissipative, non-blooming and free of carbon particulates. 1800 series swabs are solvent resistant and are ideal for cleaning of lubricants, epoxy, solder ball and solder flux residues from devices and circuit boards. 1800 series swabs are widely used in the circuit board assembly, aerospace, medical electronics, optics, semiconductor and disk drive industries.

All swabs are double-bagged to aid clean room entry procedures.



## Advantages

- Proprietary tip forming and washing processes minimize particle release during cleaning.
- Extremely low ionic and NVR Levels.
- Static dissipative handle to prevent electrostatic discharge and tribocharging against gloves.
- Low tribocharge, less than 5 volts dry.
- Manufactured in an ISO 5 & ISO 13485 cleanroom.

## ESD Performance

### Handle Surface Resistivity

Dissipation: ± 1000 volts to 10 volts in less than 1 second at 50% RH

## Cleanliness

Particles	TNVR's (mg/swab)		Ionics (µg/tip)			FTIR (ng/tip)		
	In DI Water	In IPA	Chloride	Sulfate	Total Anions	Silicone	Amide	DOP
< 25k per tip @ .5µm	< 0.15	< 0.40	≤ 0.90	≤ 0.40	≤ 1.30	< 1.30	Not Detected	Not Detected









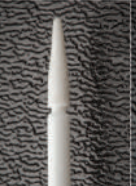


**Foamtec International**  
720 Venture Dr.  
Waco, TX 76712

### Foamtec International WCC Division

1-760-599-7160

www.foamtecintlwcc.com | customerservice@foamtecintlwcc.com

## Swab Models | Measured in Millimeters. ± 0.02

Part No.	HT1801	HT1802	HT1829	HT1832	HT1839	HT1846	HT1850	HT1851	HT1852
Image									
Head Material	CleanWIPE® Reticulated Polyurethane Foam								
Head Thickness	5.5	3.2	2.9	3.6	3.3	3.2	2.6	3.2	3.3
Head Width	6.0	4.1	3.8	3.6	3.4	3.2	2.6	3.2	3.3
Head Length	18.0	10.5	10.0	11.0	9.1	20.5	10.5	10.5	10.1
Handle Material	Polypropylene With Permanent ESD Additive								
Handle Diameter	2.9	2.5	2.5	2.5	3.0	2.5	2.5	2.5	3.0
Handle Length	132.5	58.5	58.7	57.5	79.6	50.9	58.4	59.3	77.0
Total Swab Length	150.5	68.5	68.7	68.5	88.7	71.4	68.9	69.8	87.2
Head Bond	Thermal								
Handle Color	White								
Description	Flexible, Oval	Semi-Flexible Bulb	Flexible Paddle	Rigid, Round	Semi-Flexible Paddle	Rigid Spear Tip	Flexible, Spear Pointed	Rigid, Spear Pointed	Semi-Flexible Spear

## Packaging Configurations

Part No.	Units/Bag	Bags/Case	Units/Case
HT1801-500	500 Swabs/Bag	16 Bags/Case	8,000 Swabs
HT1802-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1829-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1832-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1839-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1846-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1850-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1851-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs
HT1852-500	500 Swabs/Bag	25 Bags/Case	12,500 Swabs



**Foamtec International**  
720 Venture Dr.  
Waco, TX 76712

### Foamtec International WCC Division

1-760-599-7160

www.foamtecintlcc.com | customerservice@foamtecintlcc.com