

### TECHNICAL DATA SHEET



*The Better ESD-Safe Instrument*

#### Features

- ▶ Low-contamination, plastic alloy (Transplex®) construction
- ▶ Precision molded tips
- ▶ ESD-safe cleanroom packaging
- ▶ Total Stick length: 66.1mm
- ▶ Total Tip Length: 5mm

#### Products

Number	Description	Packaging
<b>TX769E</b>	ESD-Safe Stick, Micro	500 picks/bag 5 inner bags of 100 picks; 5 bags/case

#### Description

The ESD-Safe Stick with Micro-Tips is a double-ended cleaning and prepping tool designed for use at ESD-safe workstations. This unique stick controls ESD without the use of carbons and without ionic antistats.

The TX769E ESD-Safe Pick Swab is constructed of a low-contamination, plastic alloy that safely dissipates electrical charges in under 2 seconds. This disposable tool features precisely-molded micro tips (length 5.0mm, width 1.0mm) yet contains no contaminating coatings, dyes or colorants.

The ESD-Safe Sticks are ideal for manufacturing, part manipulation and cleaning/prepping small areas. They are excellent replacements for conductive metal probes, which can scratch and damage delicate electronic components, and for wood picks, which have limited electrical performance and high contamination levels including splintering. The TX769E model is particularly suited for disk drive assembly, medical device manufacturing, wire manipulation and groove cleaning.

**Total Stick Length: 66.1mm (2.6")**

#### Applications

- ▶ Magneto Resistive (MR) rigid disk drive assembly
- ▶ Electronic medical device manufacturing
- ▶ Wire manipulation
- ▶ Hole and groove cleaning
- ▶ Controlled scraping

#### Benefits

- ▶ Reduced risk of scratching
- ▶ ESD control without contaminating carbon or metal loading
- ▶ No blooming ionic antistats
- ▶ No contaminating coatings, dyes or colorants
- ▶ Performance is not impacted by humidity
- ▶ Safely dissipates charges in under two seconds
- ▶ Precision molded for consistent sizing

### Physical Characteristics

	TX769E – Micro ESD Pick
Head width	1.0 mm (0.039")
Head thickness	1.0 mm (0.039")
Head length	5mm (0.197")
Material	Transplex® plastic alloy
Handle width	2.4 mm (0.094")
Handle thickness	2.4 mm (0.094")
Handle length	56.5 mm (2.224")
Total swab length	66.1 mm (2.602")
Handle color	Translucent
Design notes	Semi-rigid precision point

### Contamination Characteristics

Property	TX769E – Micro ESD Pick Measurement	Test Method*
Nonvolatile residue IPA extractant	0.23 mg/swab	
Ions		
Chloride	< 0.076 µg/swab	TM2: Laboratory Testing for Swabs
Sulfate	0.737 µg/swab	
Nitrate	< 0.023 µg/swab	
Phosphate	12.5 µg/swab	
Fluoride	< 0.020 µg/swab	
Potassium	0.146 µg/swab	
Calcium	< 0.008 µg/swab	
Sodium	0.990 µg/swab	
Magnesium	< 0.009 µg/swab	

### Electrostatic Discharge Characteristics

Property	TX769E – Micro ESD Pick Measurement	Test Method*
Handle resistivity	10.6 x 10 <sup>9</sup> ohms/cm	TM16: Determination of the Resistance per Unit Length (ohm/cm) of Swab Handles. (Adapted from EOS/ESD-S11.11-1993)

\*Test procedures available upon request.

### Texwipe Regulatory Certificates

Texwipe is the only wiper company to be registered: ISO 9001 • ISO 13485 • ISO 14001 • OHSAS 18001