

## Medical Display Glass Technical Datasheet

### Overview

Biocompatible strengthened display cover glass and touch substrates designed exclusively for clinical medical equipment, with medical-grade AR/AF conductive coating options.

### Substrate Parameter Table

1. Strengthened Aluminosilicate Glass Thickness: 0.5–3mm, high surface hardness, resistant to alcohol, hydrogen peroxide and routine hospital disinfectants, widely used for bedside monitors and clinical touch panels.
2. Medical Borosilicate Glass Low thermal expansion, stable high transmittance, suitable for high-precision imaging and portable diagnostic devices.

### Coating Performance

AR coating: Single-side reflectance  $\leq 0.8\%$ , total transmittance  $\geq 92\%$   
Medical AF coating: Long-term disinfection resistance, no peeling after thousands of sterilization wipes  
ITO conductive layer: Adjustable resistance 10 - 1000  $\Omega$ /sq for medical touch integration

### Machining Standard

Dimension tolerance  $\pm 0.02\text{mm}$ , all edges fine polished, customizable holes, cutouts and light-shield printing. Compliance: ISO 9001, RoHS. All performance indicators are typical ranges, finalized by customer drawing. Contact [james@felixglass.com](mailto:james@felixglass.com) for medical project quotation.