

DATA SHEET

Glass-Film-Glass (GFG) Touchscreen



The GFG Touchscreen is a resistive touchscreen with the addition of a thin borosilicate glass layer bonded to the top surface. Compared to the standard resistive touchscreen, the additional layer of the GFG Touchscreen provides protection from scratches, high temperatures, and thermal shock.

The GFG Touchscreen is resistant not only to scratches and abrasion, but also to a wide range of cleaning agents. The GFG Touchscreen is a great choice for the following industries:

- ▶ General Industrial Usage
- ▶ Medical Equipment
- ▶ Food Industry
- ▶ Adverse and severe working circumstances such as gas stations or chemical plants
- ▶ Pharmaceutical

Specifications

Touchscreen

- **Type** Resistive
- **Input Method** Finger, gloved finger, stylus
- **Construction** ITO glass thickness: 2.8mm; .1mm polyester resistive touch overlay; top layer .2mm borosilicate glass
- **Activation Force**
 - 1.5N(maximum) for touch inner area
 - 2.5N(maximum) for touch perimeter area
- **Expected Lifetime** 36 million touches
- **Hardness** Mohs 5

Environmental

- **Operating Temperature** -30°C to 80°C
- **Operating Relative Humidity** If temp. \geq 40°C, humidity less than 80%
If temp. $<$ 40°C, humidity less than 90%
- **Storage Relative Humidity** Ambient humidity
- **NEMA Rating** NEMA 4X

- **Available Sizes** 15.1", 19.1"