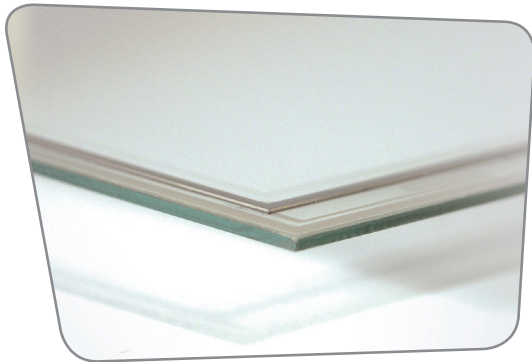
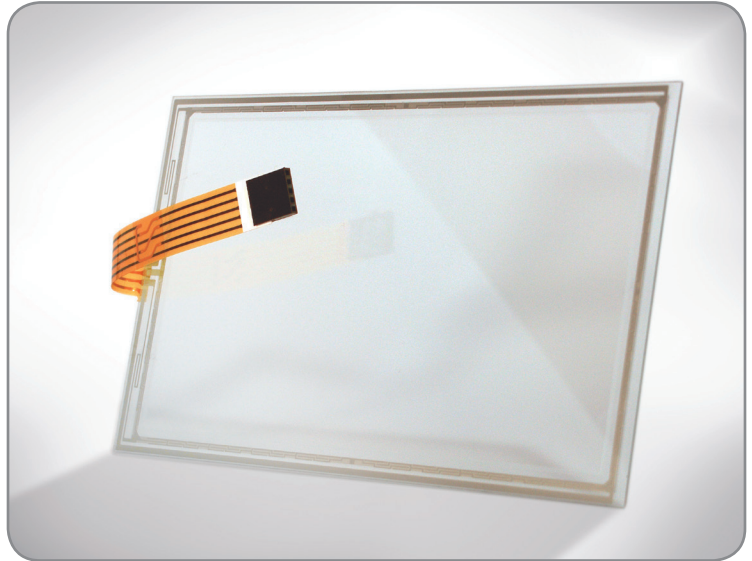


## Industrial Grade Resistive Touch Screens

Mildex Optical specializes in the development and manufacturing of Industrial Grade Touch Screens, to satisfy the need for a flexible, cost-effective and real customized solution.

Mildex's 5-Wire Touch Screens have a unique pattern providing the highest accuracy, reliability and durability in the market today.

Mildex is your solution for applications that require the ability of using multiple input modes such as finger, gloved hand or stylus.



### Product Features

- Sizes up to 21.5"
- 4, 5 and 8 Wire Designs
- Patented Lamination Process
- High Transparency Rates
- Surface Treatments
- High Operation Temperature
- Full Customization

The outstanding features of Mildex Optical make them suitable for Industrial / Medical and Military Applications, such as: Industrial HMI, Kiosk, Medical Monitors, Rugged Notebooks, Avionics, Ground Vehicles, Naval/Marine Applications, just to name a few.

With the ability for Touch Screen Enhancements (Scratch-Proof Surface, Full Sunlight-Readability, Integrated EMI Protection, Surface Treatments, etc.), Mildex Optical provides solutions when a Standard Just Isn't Good Enough.

## Specifications

|                        |   |
|------------------------|---|
| Size Range:            | 7" – 21.5"  |
| Type:                  | Analog Resistive                                    |
| Interface:             | 4, 5, & 8 Wire                                      |
| Operation Voltage:     | 5 Vdc   |
| Loop Resistance:       | 100 – 1000 Ohm                                      |
| Position Accuracy:     | > 98.5 %  |
| Activation Method:     | Finger / Stylus / Gloved Hand                       |
| Isolation:             | > 20 MOhm   |
| ESD Protection Level:  | 30 KV (Contact / Air)                               |
| Transparency:          | 78 – 80 % (AG - Type)                               |
| Activation Force:      | 60 – 80 gr  |
| Life (Hitting):        | > 10 Million Hits (5 - Wire)                        |
| Life (Drawing):        | > 300k Alphabets (5 - Wire)                         |
| Stack-Up Options:      | F / G   F / G - SR   F / G - EMI   F / G - SR - EMI |
| Surface Hardness:      | > 3H (F / G)  |
| Surface Coatings:      | Clear   AG   AR                                     |
| EMI Shielding Options: | Rated at 0.25 Ohms or 5 Ohms squared                |
| Humidity:              | 20% to 90% RH Operation / Storage                   |
| Temperature            | -30°C - +70°C Operation<br>-30°C - +80°C Operation  |

