

MARS

Multi-Touch Analog Resistive Touch Technology

Putting a new spin on resistive technology, Touch International's MARS (multi-touch analog resistive sensor) Technology offers multi-touch capabilities for applications requiring low-cost, pressure sensing touch screens with flexibility in construction, design and performance.

At a Glance

- Multi-Touch Capable (Up to 10 fingers)
- Windows 7® Compatible
- Accurate, Fast Touch Response
- Finger, Glove and Pen Input
- True Touch Gesture with Palm Rejection
- Durable Against Chemicals and Contaminants.
- Hardware & Firmware can be Modified to Meet Stringent EMI/RFI Standards



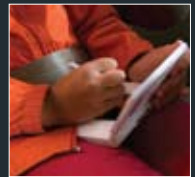
Featuring superior drift-free performance and a fast and accurate response time, the MARS technology supports up to 10-finger touch with true touch gesture and palm rejection. Accepting input with bare or gloved fingers and any pointing device, this multi-touch technology is ideal for applications in the military, aerospace, industrial and retail fields.

For additional information on Touch International products and solutions, contact a sales representative or e-mail sales@touchintl.com.

Applications



Military Equipment



Gaming Consoles



Medical Instrumentation



Aerospace Systems



Signature Capture

Whether your projected requires enhanced optics or advanced functionality, Touch International's multi-touch resistive touch screens are fully customizable allowing for flexibility in construction, design and performance.

Specifications

Optical

Light Transmission 80% (Typical)

Electrical

Input Method Finger, Gloved Hand or Stylus
 Operational Voltage D.C. 6V
 Linearity $\pm 2\%$ (Typical)
 Chattering Time 10 msec or Less
 Communication Serial or USB

Mechanical

Surface Hardness Over 2H (by JIS Pencil Hardness)
 Touch Activation Force .05N ~ .8N
 Response Times <10ms

Environmental

Operation Temperature $-20^{\circ}\text{C} \sim 70^{\circ}\text{C}$, Non-Condensing
 Storage Temperature $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$, Non-Condensing
 Operating Humidity -20°C to 60°C - Less than 90% RH, Non-Condensing
 Exceeding 60°C $133.8\text{g}/\text{m}^3$, Non-Condensing
 Storage Humidity -40°C to 80°C - Less than 95% RH, Non-Condensing
 Exceeding 60°C $142.9\text{g}/\text{m}^3$, Non-Condensing
 Touch Durability 300 Million Touches in a Single Location (Electrically)
 250 Million Touches in a Single Location (Cosmetically)
 Chemical Resistance Tested for Resistance to Toluene, Alcohol, Gasoline,
 Machine Oil, Ammonia, etc.

Other Specifications

Warranty 1 Years

