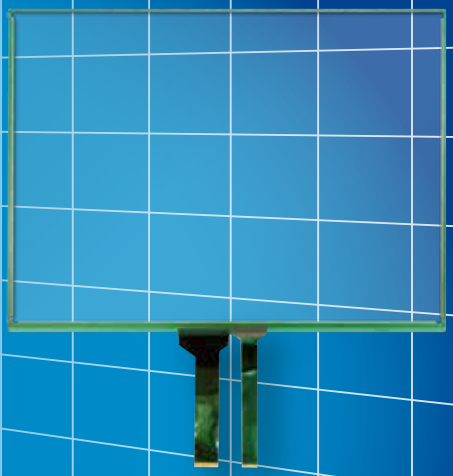
Resistive Multi-touch

MTR Series

- MTR-104A100B 10.4 inch
- MTR-121A100B 12.1 inch
- MTR-150B100B 15 inch



Controller

MTR1000-1215-003

Cable

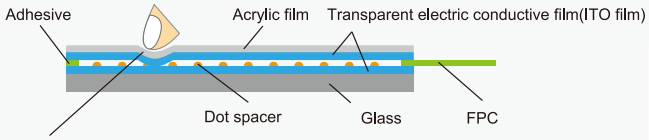
DUS-10USB

USB Cable
1,800mm

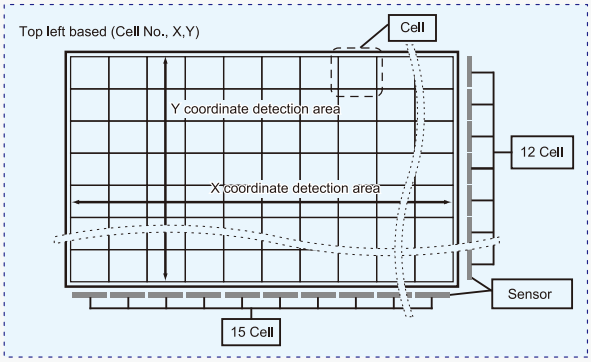
DMC Co., Ltd.
Interface with Touch

Features

- Dual touch function is added to a resistive touch screen.
- There is no limitation on materials to be used for input (finger, glove, pen, etc..).
- MTR is highly stable and resistant against external noises.
- Detection accuracy is excellent.
- It requires certain pressure to input so that operation mistakes tend to be less.
- MTR is more cost-competitive than Projected Capacitive.
- MTR is highly durable. Operation is guaranteed as many as 10 million touches.



When fingers touch the screen, the layers(ITO) are pressed together, causing a change in the electrical current and thus a touch event will be registered.



Specifications

Product No.	Size	FPC Length/ Position	External Area (E) / Viewing Area (V) / Active Area (A)	Thickness (Total)
MTR-104A100B	10.4 inch	100mm Bottom Side	E: 225.8 x 177.2mm / V: 215.5 x 163.2mm / A: 211.2 x 158.4mm	1.8mm (2.1mm)
MTR-121A100B	12.1 inch	100mm Bottom Side	E: 260.76 x 203.3 mm / V: 250.3 x 189.3mm / A: 246 x 184.5mm	1.8mm (2.1mm)
MTR-150B100B	15 inch	100mm Bottom Side	E: 319.1 x 246.9mm / V: 308.43 x 232.9mm / A: 304.1 x 228.1mm	1.8mm (2.1mm)

Operating Temp	-20°C to 70°C*	Light Transmittance	80% (Typical value at full wavelength)
Operating Humidity	-20°C to 60°C :Less than 90%RH* Exceeding 60°C :Less than 133.8g/m3	Surface Hardness	Over 2H (by JIS pencil hardness test)
Storage Temp	-40°C to 80°C*	Max Voltage	DC6V
Storage Humidity	-40°C to 60°C :Less than 95%RH* Exceeding 60°C :Less than 142.9g/m3	Max Current	Upper 100mA divided by matrix Lower 100mA divided by matrix 0.5mA(Upper-Lower)
Activation Force	0.05N to 0.8N	Operating Life	10 million touches (by finger)

* No dew condensation.