

Touch Panel

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Outline

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- 2. Principle of operation
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- 3. Touch panel in the future
- 4. Conclusions

Introduction

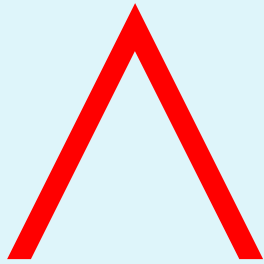
Touch panel is

- **familiar** to us.
- used at **various places**.



Principle of operation

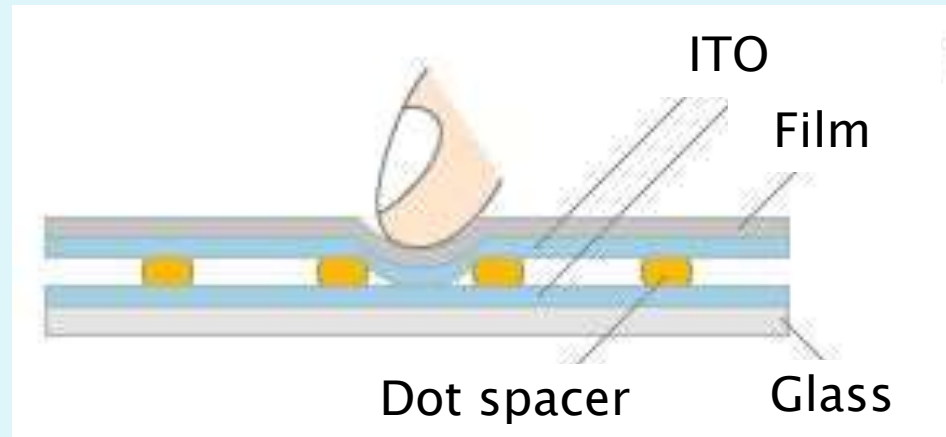
- Resistance film type



- Capacitive type



Resistance film type



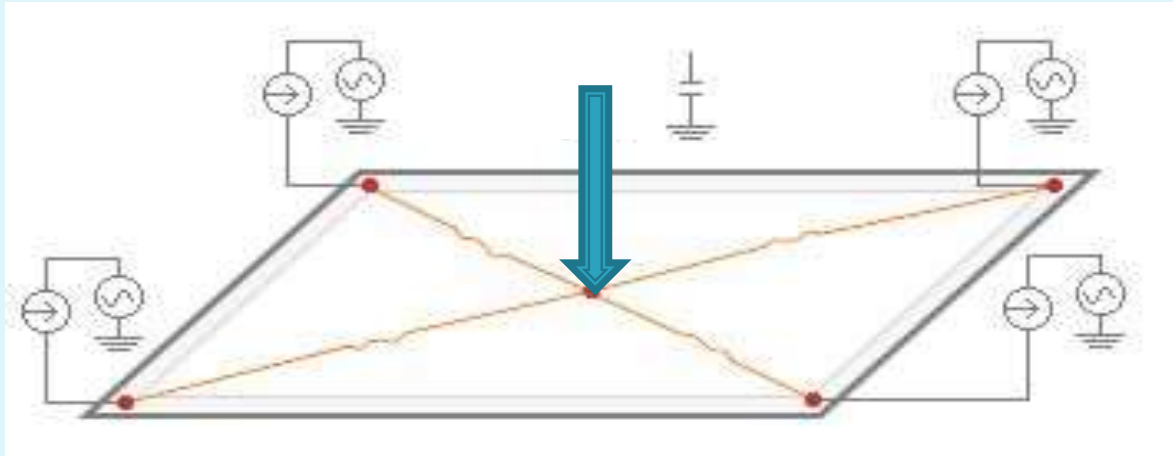
Merits

- Cost performance is good.
- There is little power consumption.
- Inclusion to apparatus is easy.

Demerits

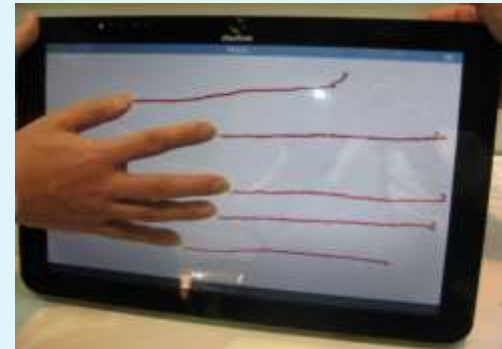
- Durability is inferior.
- It is not suitable for high temperature and humidity.

Capacitive type



Merits

- Multi-touch is possible.
- Processing speed is quick.
- Durability is high.



Demerits

- Input is impossible except a finger.
- The influence of circumference noise causes malfunction.

Touch panel in the future



Conclusions

- **Capacitive type** has performance higher than **resistance film type**.
- **Capacitive type** came to be used widely in recent years.
- The touch panel will be **more familiar** to us in the future.



We need to mix well with touch panel.

Thank you!