HIGH PERFORMANCE & FEATURE RICH

HG2J

PCAP Touchscreen
Operator Interface

Cost-effective and robust solution to configure and control your machine, even with gloves. This capacitive touchscreen is UV, scratch, water and chemicals resistant with its glass front and is IoT-compatible.

SWITCHES	SAFETY	PANEL	**AUTOMATION**

TECHNICAL FEATURES

- Operating voltage 12/24 DC
- 7-inch wide TFT color LCD screen
- Communication interfaces: COM, LAN, USB1, USB2
- Dimensions: 186 (W) x 128 (H) mm x 30.4 (D) mm
- Weight (approx.): 500g
- Maximum number of screens : 3000
- Remote Access, FTP, Email, Mobile App and Custom Web Page
- Operating temperature -20 to +60°
- Portrait or landscape use

MAIN APPLICATIONS

- Industrial control panels
- Medical equipment
- Packaging machines
- Commercial applications (vending or car parking machines...)
- Elevators

HG2J
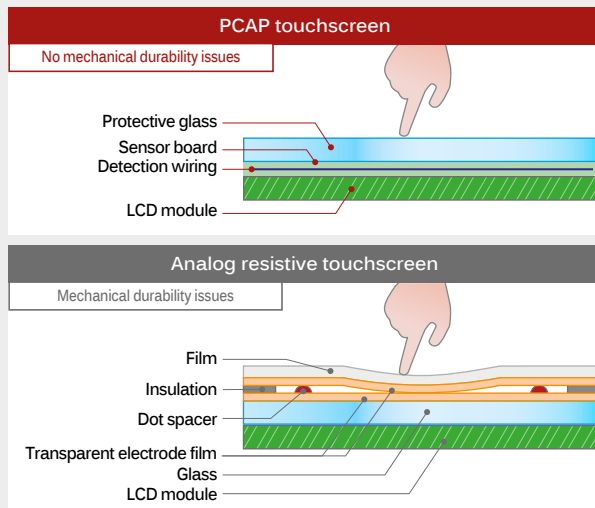## HIGH ENVIRONMENTAL DURABILITY AND COMPATIBILITY

PCAP TOUCH TECHNOLOGY: HOW DOES IT WORK?

Projective Capacitive (PCAP) Touch Technology is based on a capacitive principle, 'projected' because the sensor is set behind a glass layer. The user changes the charge of an electric field created on the surface of the sensor by touching it with one or more of their fingers. These changes are recognized as input by a downstream touch controller.
Behind the glass cover, the sensor surfaces are perfectly protected against damage or wear.

Why you should prefer PCAP touchscreen to analog resistive touchscreen.
You will avoid any mechanical durability issue.

PCAP touchscreen
No mechanical durability issues

- Protective glass
- Sensor board
- Detection wiring
- LCD module

Analog resistive touchscreen
Mechanical durability issues

- Film
- Insulation
- Dot spacer
- Transparent electrode film
- Glass
- LCD module

This kind of touchscreen is highly resistant to scratches and abrasion, and can be washed, even with chemicals. Last but not least, glass touchscreens are less expensive than plastic ones.

USER EXPERIENCE

- **APPLICATION OF YOUR CHOICE**
  - Flexibility thanks to the wide variety of devices that can be plugged in.
  - Can be displayed in portrait or landscape format.
  - Water repellent surface to differentiate touch by finger, stylus, glove or from liquid droplets.

- **USER-FRIENDLY INTERFACE**
  - The HG2J offers very high contrast and high transparency.
  - Instructions by voice can easily be implemented, for commercial applications, for instance (external speakers required).

- **MAKING DEVICES IOT-COMPATIBLE**
  - Web server function enables remote operation and maintenance from tablets.
  - FTP client function enables transfer of log data.
  - SNS (Social Network Service) and email function : the status of a device can be sent by email and to multiple Twitter accounts.
  - Easy-to-use IDEC software.

- **ADVANCED CONNECTABILITY**
  - The variety of ports allows for easy connection to many combinations of third-party devices:
    - > 1 ethernet port
    - > 2 USB-A ports to connect devices such as barcode readers, USB speakers (if you want to give your instructions by voice)...
    - > Serial ports RS232/RS485

PRODUCTS YOU COULD ALSO BE INTERESTED IN:

- PS5R power supply
- RJ45 safety relay
- Protective film
- FC6A and FT1A PLCs
- USB relay port

CUSTOMER BENEFITS

- **ENVIRONMENTAL DURABILITY**
  - Projective Capacitive (PCAP) technology offers improved clarity, scratch and abrasion resistance and far more protection to the LCD display inside.
  - Provides the highest levels of touch accuracy and transmission.
  - Suitable for use in temperatures from -20 to 60ºC, high water resistance up to IP67F rating, allowing for a wide variety of applications.

- **SPACE-SAVING AND STYLISH DESIGN**
  - Slim design of the panel board with an inner depth of just 29 mm with no connectors on back side allows downsizing of the control panel.
  - Reduction in bezel width allows for a larger screen.

◉ Visit the product page   ◉ Consult the datasheet

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APEM
an IDEC company