

## Film-Glass Type Transparent Touch Panels

Type: **EMU601A2(Analog Type)**  
**EMU601D2(Digital Type)**

Film-Glass type Transparent Touch Panels, pen input and/or finger input available, excellent operability, low cost



### ■ Features

- Excellent touch feeling for both pen input and finger input due to a PET film and a micro dot spacer applied to the upper panel
- Excellent transparency due to our own transparent electrode formed on the glass panel
- Low cost due to the new pattern composition

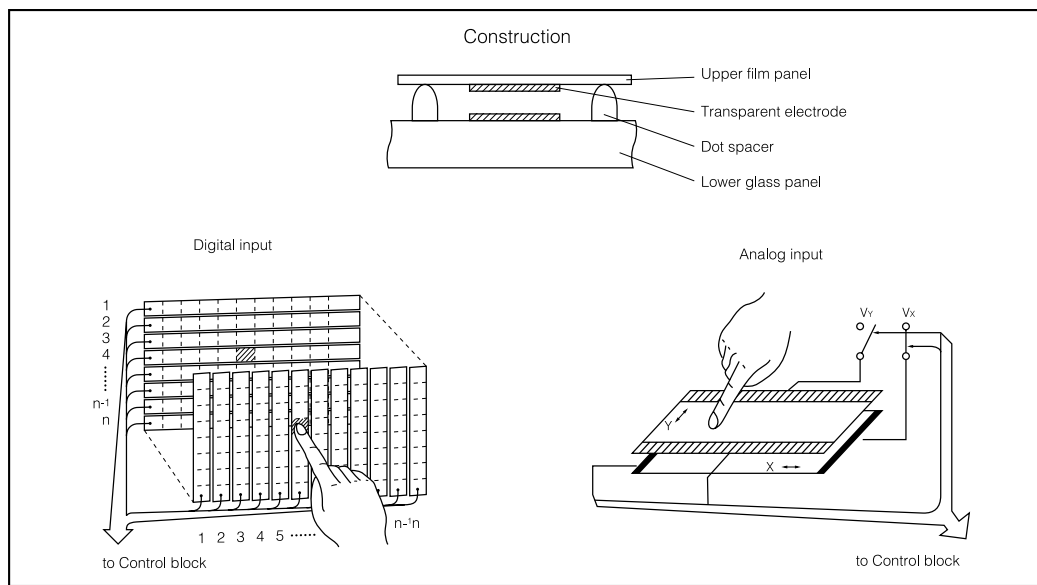
### ■ Recommended Applications

- Input devices for Computers, PDA's, HPC's, Handy Terminals
- Input devices for Office Automation Equipment: PPCs, Facsimiles
- Input devices for Home Electrical Appliances, Audio Visual Equipment

### ■ Construction and input methods

A matrix of thin film transparent electrode is fabricated on the lower panel of glass. On the upper panel of film another matrix of the electrode is made.

These 2 panels are sandwiched face-to-face with an insulated spacer placed between them as illustrated below. Digital input method or analog input method is available.



### ■ Major Specifications

Item	Digital Input	Analog Input
Touch Panel Thickness	1.0 mm, 1.4 mm, 2.1 mm	
Size	240 mm × 320 mm max.	
Total Light Transparency	84 % (Clear type)	82 % (Non-glare type)
Operating Force	1 N max. (Pen or rubber corresponding to finger)	
Bouncing	15 ms max.	
Linearity	—	±1.5 % to 3 %
Storage Temperature	-20 °C to +60 °C	
Operating Temperature	0 °C to +50 °C (at 20 % to 85 %RH No dew condensation)	
Operating Life	1 million cycles min.	

### ■ Dimensions in mm (Reference only)

