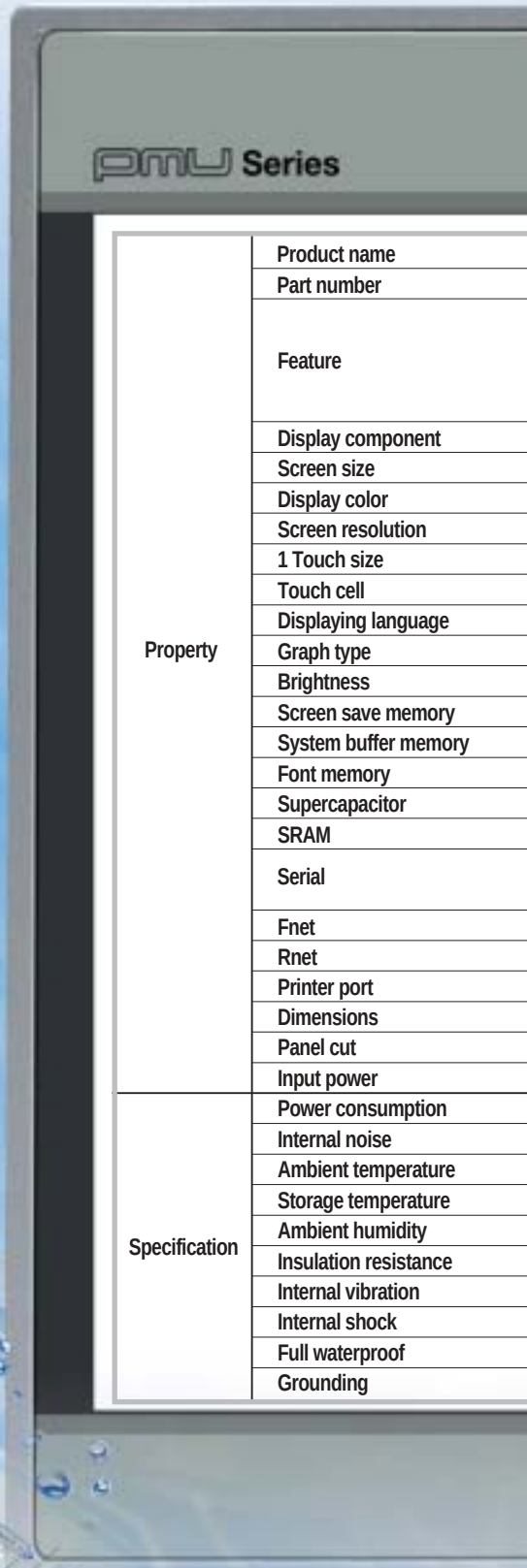
pmu Series

Providing screens with 256 colors and upgraded functions and performance, we have enhanced competitive strength.



High-speed communication

- 32-bit processor adopted for high-speed graphic process
- Maximum communication speed:115,200bps
- Screen transfer support

Easy operation

- Direct input of controller address and variable libraries support
- Easy to communicate with LG PLCs via Fnet/Rnet
- Recipe function for batch processing of parameter data
- Data logging for running data back-up
- Basic TENKEY support (no program needed)
- Image scale up/down

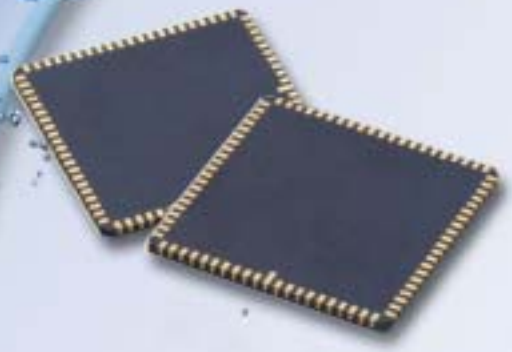
Various image functions

- Various products:4 products/9 features
- Screen configuration with 256 colors
- Various image functions available (background bitmap, transparent bitmap, etc.)
- Various network configurations thanks to various communication drivers and communication functions
- Simultaneous communication with 2 different PLCs via COM1 and COM2
- Script function support
- Various language table support

Property	Product name
	Part number
	Feature
	Display component
	Screen size
	Display color
	Screen resolution
	1 Touch size
	Touch cell
	Displaying language
	Graph type
	Brightness
	Screen save memory
	System buffer memory
	Font memory
	Supercapacitor
	SRAM
	Serial
	Fnet
	Rnet
	Printer port
	Dimensions
	Panel cut
	Input power
Specification	Power consumption
	Internal noise
	Ambient temperature
	Storage temperature
	Ambient humidity
	Insulation resistance
	Internal vibration
	Internal shock
	Full waterproof
	Grounding

	PMU-830	PMU-730		PMU-530		PMU-330			
	PMU-830TT(/DC)	PMU-730TTS(/DC)	PMU-730STS(/DC)	PMU-530TTS	PMU-530ST	PMU-330TT	PMU-330ST	PMU-330BT	PMU-330BTE
									
	TFT Color	TFT Color	STN Color	TFT Color	STN Color	TFT Color	STN Color	STN Mono	STN Mono
	12.1″	10.4″	10″	8″	7.5″	5.5″	5.7″	5.7″	5.7″
	256colors							BLUE (MONO)	
	1×1 (Dot)			1×1 (Dot)		20×20 (Dot)			1×1 (Dot)
	800×600			800×600	640×480	16×12			320×240
	Analog			Analog		Matrix			Analog
	English, Chinese, Japanese, Korean								
	Bar, Trend, Meter, Pie, XY Chart								
	135 cd/㎡	200 cd/㎡	100 cd/㎡	150 cd/㎡	147 cd/㎡	250 cd/㎡	75 cd/㎡	220 cd/㎡	
	4M				2M		1M	1M	512K
	3072 Word								
	1M (8×8, 8×16, 16×16, 16×32, 32×32 FONT support)								512K
	Built-in				Option				×
	Built-in (256 KB)				Option				×
	RS232C/2ports (MAX 115200bps) RS422 (MAX 115200bps)								
	Option								×
	Option								×
	Built-in			Option					×
	305(W) × 239(H) × 55(D) mm			240(W)×170(H)×62(D) mm		206(W) × 136(H) × 64(D) mm			
	294(W) × 228(H) mm			231(W) × 161(H) mm		198(W) × 128(H) mm			
	85~265VAC, (/DC):21~28V DC			21~28V DC					
	20W			12W					
	1200Vp-p			900Vp-p					
	0~50℃								
	-10~60℃								
	Below 85% RH								
	10MΩ								
	10 ≤ F ≤ 25 Hz								
	10G								
	IP65F								
	Class 3 grounding								

pmu 30 Series



32-bit RISC CPU enables a high-speed processing

- 256 colors support
- Equivalent process speed in bitmap and general diagram
- Improved calculation speed with multi-thread process
- Max. 115,200bps baud rate support

Extended memory capacity

- Batteryless backup : flash memory
- Screen save memory with 1~4MB
- Enhanced memory efficiency
- 3072-word buffering for data process
- 256K memory for data logging and recipe
- Screen save and logging memory extension (when required)

Various network configurations

- Built-in RS-232C/422 communication ports
- Connecting to PLC enables communication diagnosis
- N:1 communication using RS-485 port
- 1:N communication using RS-422 port
- Print : built-in printer port (PMU-730/830), option module (PMU-330/530)
- N:1 communication using Fnet/Rnet
- Simultaneous communication with different PLCs via PMU ports (COM1, COM2)

Numeric display

- Numeric data display: DEC, HEX and BCD type
- Data display with 8 different colors depending on the numeric range variance
- Data from controllers can be displayed after calculation
- ASCII CODE, read from PLC or controller, can be displayed with characters

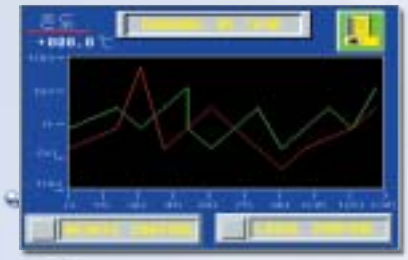
Data input function

- Data setting with min./max. value
- Input range limit
- Data input using TENKEY
- Password encrypted
- Basic TENKEY support (No program needed)

Touch and lamp function

- **Caption**
  Displays 2 letters according to the device status (ON/OFF) when using touch/lamp tag
  Various font and language support with image-text
- **Touch color**
  Displays the device status (ON/OFF) with colors after operation of touch button with lamp function
- **Data lamp**
  Displays lamp with 8 colors, according to the data range, while monitoring data
- Maximum 10 functions can be set up with one touch tag

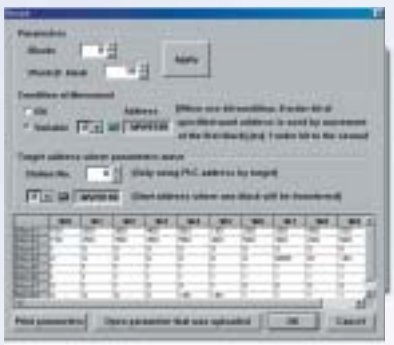
PMU 30 Series



Graph function

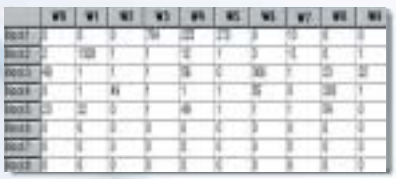
Trend graph
- Input value change is visually shown with the time axis
- 10 data can be set up with one graph
- Logging data and recipe data trend available

Meter graph
- Sets the lowest/highest value of data and displays current data in rate
- Preset warning color is shown when data are out of range
- Analog data (voltage, current) display



Recipe function

- Running data of each work are stored in PMU
- When work changes, running data are batch-transferred to the controller
- Converts the setup data into MS EXCEL format
- High-performance under a varied and small volume production environment



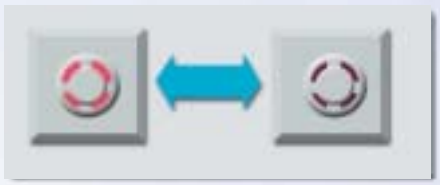
Data logging

- Data generated during operation are stored in PMU
- Periodic or conditional data logging
- Data stored in PMU can be saved in PC using PMU Editor
- Converts logging data in PC into an MS EXCEL report

Various bitmap functions

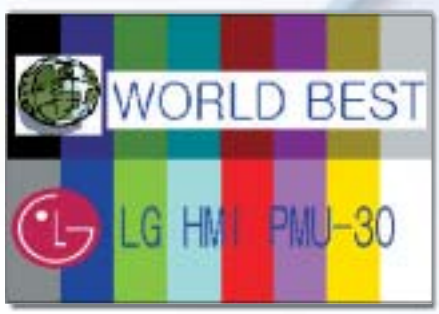
256-color bitmap support
- A realistic screen with 256 colors
- A 256-color bitmap file display available
- Spectacular graphics using various colors
- Various functions using bitmap

Bitmap touch
Calls other bitmap according to the device status (ON/OFF) after touch operation



Bitmap lamp
Displays other bitmap according to the bit status (ON/OFF) while monitoring

Background bitmap
Draws pictures on screen with a background bitmap of the same screen resolution



Transparent bitmap and lettering function
Does not display the unnecessary part of bitmap and background of letters