



## OpreX™ Measurement

# Power monitoring package SMARTDAC+ GM / UPM100



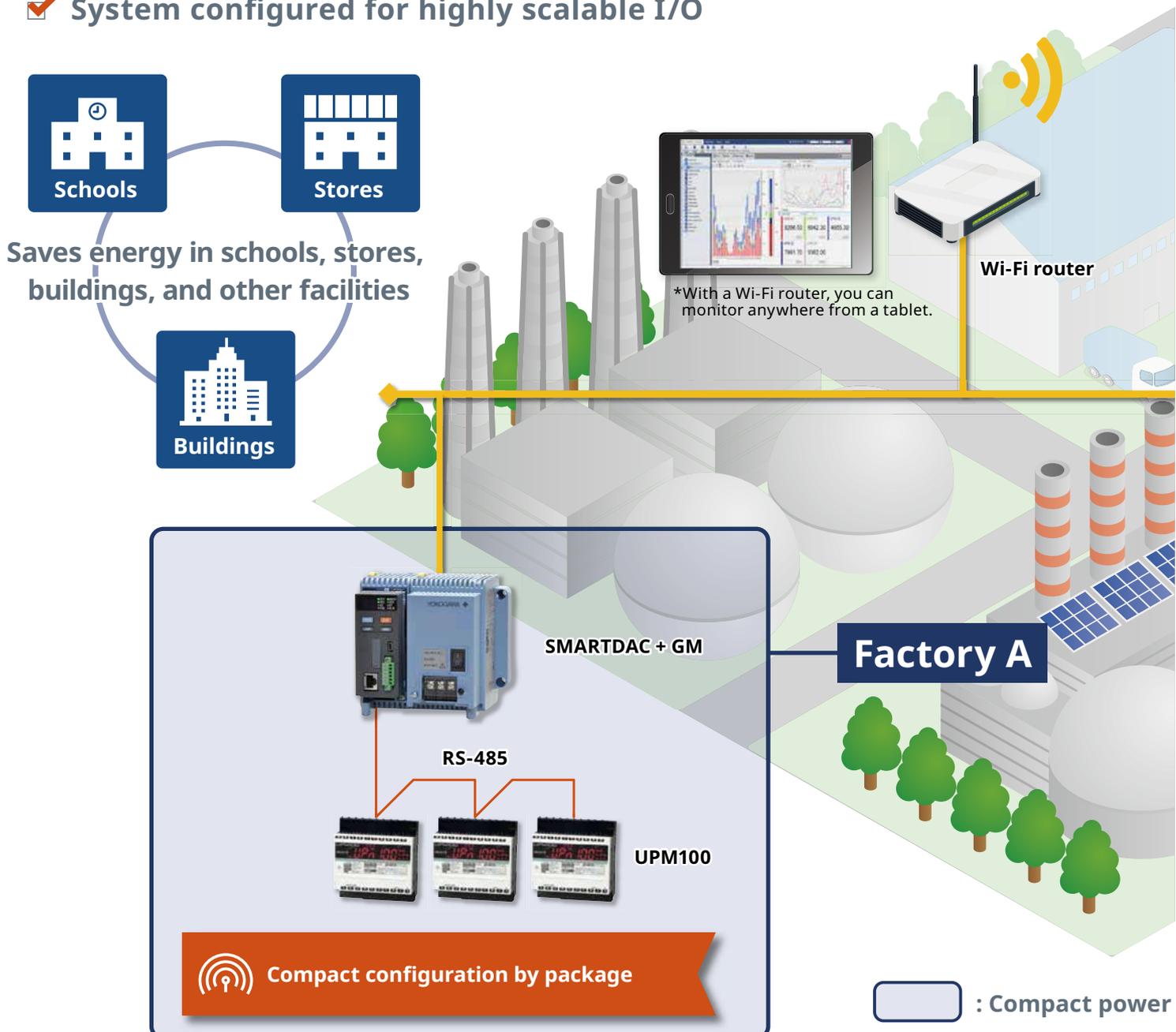
Bulletin 77C01H02-01EN

# “Yokogawa's **easy to install**”

The power monitoring package is an energy saving data acquisition system for monitoring that comprises the GM Data Acquisition System and the UPM100 Power Monitor. The package enables visualization (graphical) of power usage in factories, reports, and other features that help you identify areas of wasted power.

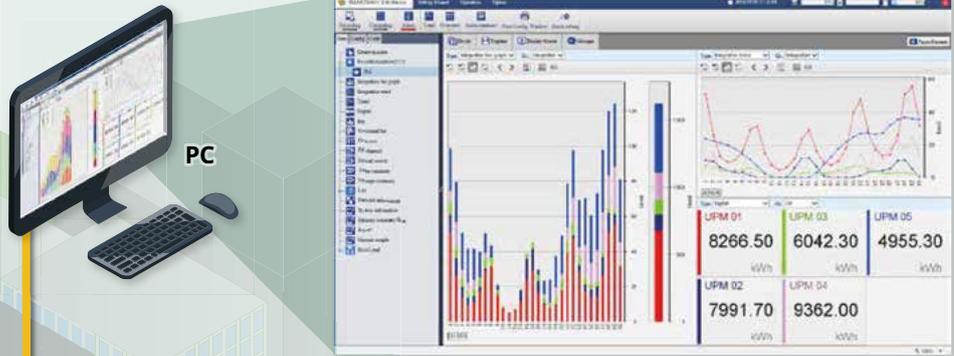
## Features

- ✓ Simple wizard-based system configuration
- ✓ Compact configuration by package
- ✓ Monitoring from anywhere via the web
- ✓ System configured for highly scalable I/O



# solution saves energy”

## Data Monitoring with the web application. (Internal network)



Office



On Universal Viewer, you can create hourly and daily reports of integral values of watt hours.

\*Max. measurable points with SMARTDAC + 1 GM: 30 units



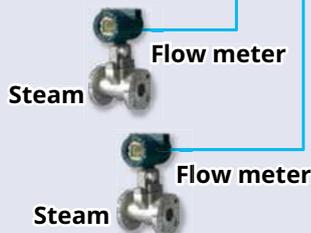
Sets up easily with the wizard-based Hardware Configurator.

Ethernet

Factory B



SMARTDAC + GM



Steam

Flow meter

Steam

Flow meter

RS-485

Electric energy

\*Flow meters not included

UPM100



System configuration offers highly scalable I/O

monitoring package

Power monitoring package

## Model code selection tool

### 1. On the web

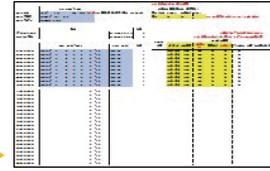
Download the model code selection tool (Excel file) from our website.



<http://www.yokogawa.com/ns/upm100pkg/>

### 2. Select Mode and Suffix Code

Enter the phase/wire format, rated voltage, primary side current, and options for display/pulse output, and then determine the format of the model to purchase and the number of units.



Model code selection tool (Excel) ▶

## Package contents

### GM Data Acquisition

GM10, 1 unit (Required option codes /MT, /MC, /WH<sup>2,3</sup>)  
GM10 power supply (Model: GM90PS), 1 unit<sup>1</sup>  
(Required option codes /WH)  
GM10 module base  
(Model: GM90MB), 1 unit

GM10, power supply,  
and module base combined.



### Power monitors

UPM100<sup>4</sup>



### Clamp-on Current Transformers

CTW15 / CTW35 / CTW10 /  
CTW20 / CTW100 / CTW130<sup>4</sup>



Please specify GM model code depending on the number of UPM100 to be connected and computation function to be used such as demand calculation.

Model	Connected number of UPM100 (units)	Calculation
GM10-1 (Standard type)	1 to 20	Not expandable
GM10-2 (Large memory type)	1 to 30	Use demand calculation etc.

Note: The power monitoring package does not conform to the safety standards (UL and CSA) and CE marking

1. Specify 100–240 VAC, 12–28 VAC.
2. Option code /WH cannot be combined with option code /AS.
3. If specifying option code /WH, the display language of the web application can only be English, Japanese, or Korean.
4. Required number of units specified by model code selection tool.

## Related products

### VJET

Ethernet/RS-485 converter



### ML2

RS-232C/RS-485 converter



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Automation

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