



OpreX™ Control Devices

# Rack Instrument

## YS80 Series

# Rack instruments with high reliability and proven technology

A highly reliable rack instrument YS80 has abundant operational performance since its launched in 1981.

## Easy maintenance

High compatibility with conventional model



## Long-term stable supply

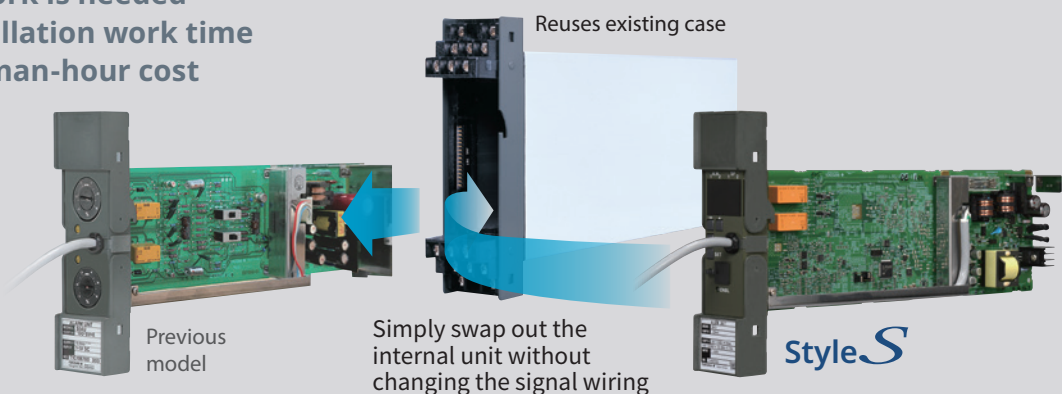
Uses the latest electronic components

## Requires less spare parts

Universal input and square root function switching type

## Exchangeable internal unit for easier replacement

- No wiring work is needed
- Reduce installation work time
- Reduce the man-hour cost
- Less waste



### ◆ Safety

- Improved security (parameter write protect switch)
- Operation upon rack instrument failure (Analog output goes below 0% and alarm relay deenergizes)

### ◆ Improved maintainability and operability

- Signal circuits are isolated from power circuits, making it easy to replace the power board
- VJ77 Parameters Setting Tool for easier Zero-span adjustment
- Larger Easy-to-read digital display units (for setting alarms and integrating ratio)
- Parameter file management and printing are possible using the parameters setting tool (VJ77).

## Rack instrument lineup

**New**  
**Style S**



- mV, Temperature and Potentiometer/ Voltage Converter STED
- Alarm Unit SKYD
- mV and Temperature Alarm Unit SALD
- Integrator SIND
- Isolator SISD
- Distributor SDBT, SDBS

**Style R**



- Digital Alarm Unit SDAU

## Larger, easy to read digital display



### Main Functions

- Engineering unit scaling
- Measured value display
- Alarm setting value display
- High-precision settings
- Easy operation

### Table of replacement instruments

**Style S**

Model	EBS	I Series	EK	YS80	YS80
Alarm setting unit	FKY, UKY	IKT5252, IKY5352	EKX241B, EKX242B	SKYD*A, SKYD*R	SKYD*S <sup>(Note)</sup>
High accuracy alarm setting unit				XJ5092-010, SKYD*R	SKYD*S <sup>(Note)</sup>
mV temperature alarm setting unit	FKY, UKY-51B, 61B, 71B			SALD*A, SALD*R	SALD*S <sup>(Note)</sup>
mV temperature converter	FTM, UTM	ITE5251, ITE5351	EKT201B, EKT202B, EKT203B	STED*A, STED*B, STED*R	STED*S
Isolator	FIS, UIS	IST5258, IST5358	EKX201B	SISD*A, SISD*R	SISD*S
Square root computing unit	FSQ, USQ	ISQ5253, ISQ5353	EKX222B	XJ5092-003, SISD*R	SISD*S
1-point distributor		IDB5267, IDB5367		SDBT*A, SDBT*R	SDBT*S
4-point distributor		IDB5268, IDB5368		SDBS*A, SDBS*R	SDBS*S
Integrator + Counter	FIN, UNI + 5212	ISN5261 + 5217, ISN5361 + 5217	EKX226B, EKX227B	SIND*A + SICD, SIND*R + SICD	SIND*S + Magnetic counter Electronic counter

Note: Models with larger digital display setting units

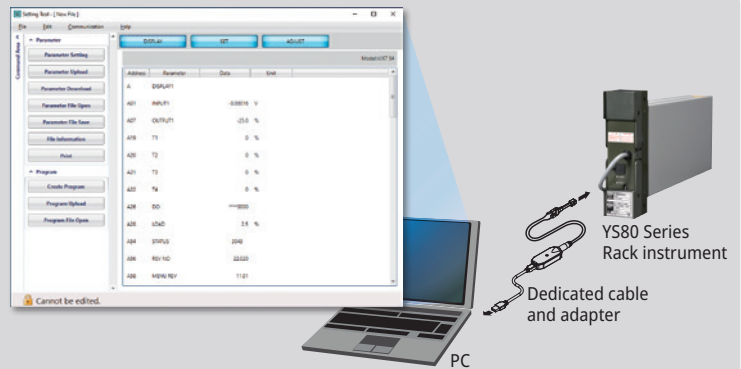
## Related Products

### VJ77 PC-based Parameters Setting Tool

#### Easy maintenance of YS80 series rack instruments on a PC

The VJ77 Parameters Setting Tool is a PC software package for setting various parameters of YS80 series rack instruments with the BRAIN communication function.

- The parameters on the YS80 series can be read all at once and then written to the YS80 series.
- The parameters read from the YS80 series can be saved on a PC's hard disk or other media, or printed on a printer.
- Input/output monitoring and zero span adjustment can be performed.



### SHUR Rack Case

Rack case (fits all models).  
Use when ordering the internal unit and rack case separately.



### SDND Power Supply Unit

25 V DC constant power supply.



### Arrester (Surge Protective Device)

This high quality arrester protects electronic instruments by absorbing induced lightning surge voltage.



### JUXTA Signal Conditioner

Space-saving, plug-in type signal conditioners.

## Web site

See the general specifications for detailed model-specific specifications.

For questions on the YS80 series, see our FAQ.

[www.yokogawa.com/ns/ys](http://www.yokogawa.com/ns/ys)

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