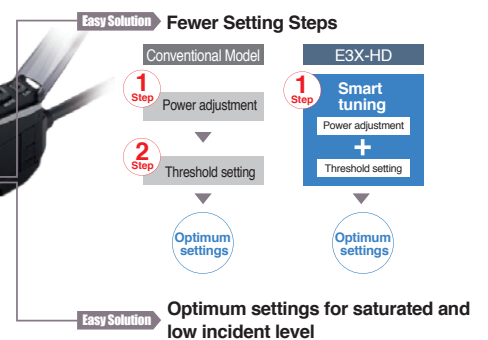


# E3X-HD FIBRE OPTIC AMPLIFIER

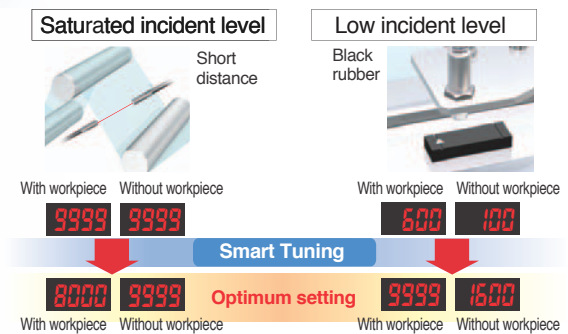
The E3X-HD amplifier sets a new standard for easy operation and stable performance.

## Smart Tuning

With the E3X-HD set-up is quick and easy, by using the all new Smart Tune function, power adjustment and threshold setting is completed in one operation and by utilising only one button.



Even on tough applications like the detection of transparent objects or highly absorbent surfaces like black rubber. Set-up is completed in seconds and with only a single operation. Because the power setting is automatically configured during the Smart Tune process, even the incident light level is scaled to provide the maximum sensitivity, providing the optimum detection.



M8 connector models

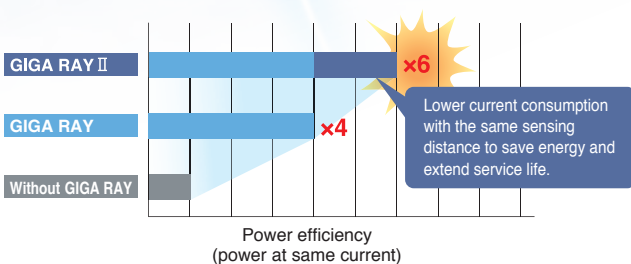
Smart Power Control  
Smart Eco Drive  
Smart Tuning

Communication Units are available



## Smart Eco Drive

Omron's proprietary technology, GIGARAY, has now been further enhanced to provide 1.5 times the power efficiency of previous models. Providing longer and more stable detection, even in tough environments.



# Exceptionally easy operation at your finger tips

**Smart Tuning**

Smart tuning for the optimum settings with just one button.

**Indications**

Visibility is improved with digital displays and visible indicators.

**New Concept: Visible Indicators**

**L D**

Operation mode indicator to prevent incorrect settings.

**DPC**

Flashing indicator enables preventive maintenance.

**ST**

Indicates that the optimum settings have been made.

**OUT indicator**

Threshold (green) Incident level (red)

## Smart Power Control

Omron's Smart Power Control functions detect the decrease in light intensity due to LED age deterioration (APC) and the decrease in incident level due to contamination (DPC), then automatically compensates to provide the optimum detection condition. You get maintenance-free operation that withstands the ambient environment.

**No Maintenance**

**Smart Power Control**

**APC + DPC**

Light intensity compensation    Incident level compensation

**APC** Always ON

(AUTO POWER CONTROL)

Automatically compensate light intensity

**DPC**

(DYNAMIC POWER CONTROL)

Automatically compensate incident level

## Ordering Information

### E3X-HD Series

#### Amplifier Units

Type	Connection method	Model	
		NPN output	PNP output
Standard models	Pre-wired (2 m)	E3X-HD11 2M	E3X-HD41 2M
	Wire-saving connector	E3X-HD6	E3X-HD8
	M8 (4-pin)	E3X-HD14	E3X-HD44
For Communications Unit connection	Communications Unit	E3X-HD0	

**Wire-saving Connectors** (Order Separately) (An Amplifier Unit with a wire-saving connector is required.)  
Connectors are not provided with the Amplifier Units.

Type	Appearance	Cable length	Number of conductors	Model
Master connector		2 m	3	E3X-CN11
Slave connector			1	E3X-CN12

Master connector E3X-CN11    Slave connector E3X-CN12

There is no master/slave distinction for the Amplifiers. Along with the Amplifier, purchase the Connectors that are required for applications.

#### Communications Units

Communications method	Appearance	Applicable Fiber Amplifier Units	Model
CompoNet		E3X-HD0 E3X-MDA0 E3X-DA0-S	E3X-CRT
EtherCAT			E3X-ECT

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