

## **Launching Lighting Monitoring Sensors That Can Numerically Track the Illumination Fluctuations of Lighting**

OPTEX FA Co., Ltd. (headquartered in Shimogyo-ku, Kyoto; CEO Tatsuya Nakajima; hereinafter, "OPTEX FA"), which is an industrial sensor manufacturer in the OPTEX Group, launched the MDF-A Series, a type of analog-output lighting monitoring sensors, on June 1.

The MDF-A Series is fiber amp sensors that can monitor lighting illumination strength, such as in image inspection lighting. With lighting for image inspection, even small fluctuations in brightness can have a major impact on inspection results, so it is important to control the brightness. The MDF-A Series is capable of putting out light from a fiber unit after analog conversion of the brightness. This means that it is possible to monitor changes in brightness due to temperature fluctuations and adjust it as needed as well as numerically visualize illumination fluctuations of lighting that is turned on.

The same kind of monitoring is possible with LED lighting equipped with OPTEX FA's original "FALUX sensing" feature and the dedicated controller, but the MDF-A Series makes it possible to monitor brightness also in combination with general image inspection lighting.

The lineup includes a standard type with a measuring range of 300-50,000lx and a high-sensitivity type of 10-1,500lx. Both are adaptable with analog output at 1-5V and 4-20mA current. They can take in wavelengths of 400-1,000nm and also control the brightness of near infrared lightning that is invisible to the human eye.

OPTEX FA will continue to offer new value in image processing LED lightning through original technology.

- Product exterior view



The picture shows the lighting monitoring sensor above and the fiber unit below

- Domestic sales target (annual): 1,000 pcs

-Overview

Name: OPTEX FA CO., LTD.

Location: 91 Chudoji-Awata-cho Shimogyo-ku Kyoto JAPAN

Establishment: January 7, 2002

CEO: Tatsuya Nakajima

Capital: 385,000,000 JPY (31 Dec. 2020)

Business: Production & sales of sensors and its peripheral items for factory automation

Sales amount: 7,307 million JPY(Consolidated) (Fiscal year 2020)

Employees: 234 (Consolidated) (December 31, 2020)

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