

Generating, transporting and processing information: this is what the Industry 4.0 environment is all about. Intelligent in situ sensors like the new BOS 21M ADCAP photoelectric multi-function sensor provide the needed input. It detects on-site operating conditions, collects and processes information and provides far more data than just the switching signal over IO-Link.

Four photoelectric sensor principles integrated into the sensor allow you to always adapt the sensor function to your application and use it as background suppression, energetic diffuse, retro-reflective or through-beam. Simply change the function depending on the object via IO-Link, and now the best and most reliable detection method is available to you.

The detection signals are pre-processed in the sensor, relieving you of much of the programming and taking the load off the system controller.

Via a counter function, the sensor offers various counting and reset modes. Its freely configurable frequency monitoring also allows you to perform tasks such as detecting and monitoring speeds.

Totally unique in sensors of this size is the ability to constantly monitor the light intensity and brightness of the LED emitter beam. Thanks to clever diagnostics information with live values for light remissivity and operating hours, you can recognize trends and irregularities early to prevent critical operating conditions long before they can occur.

Features

Three unique **AD**vanced **CAP**abilities are among the integral components

- Multi-function sensor unit
- Intelligent data pre-processing in the sensor
- Smart, efficient diagnostics

CE  IO-Link



OPTICAL
MULTI-FUNCTION SENSOR

	BOS026R
Background suppression	8...200 mm
Diffuse	1...600 mm
Retroreflective	7 m
Through-beam	10 m
IO-Link functions (Version 1.1)	<ul style="list-style-type: none"> ■ Multi-function sensor unit – four photoelectric sensor principles selectable ■ Freely configurable counter and speed detection ■ Sensor condition diagnostics, emitter power monitoring ■ Additional service functions, output configuration, time functions ■ Provides additional data such as remissivity, operating hours, count values
Emitter, light type	LED, red light
Type of protection IEC 60529	IP67
Ambient temperature	-5...+55 °C
Housing material	Zinc die-cast, aluminum, glass
Connection	M12 connector, 4-pin

