

Photoelectric sensors

Analog output sensors

Bernstein has extended its M 18 photoelectric range through a diffuse-reflective sensor with an analog output. Suitable for sensing distances between 30 and 200 mm, the required sensing distance can easily be set within this range via a programming wire.

The sensor sets a new amplification, by means of a brief connection to the positive operating voltage (0.1 - 10 s). Parameters such as the steepness of the characteristic curve and direction can be factory programmed.

The following voltage and current signals are available on the output side: 0-10 V, 0-20 mA and 4-20 mA.

The new diffuse-reflective sensor with analog output is available in the following housing variants:

Threaded design in plastic, brass, stainless steel and in smooth stainless steel barrels with a 20 mm diameter.

An M 12 x 1 plug was chosen for the connection.

Overview of analog output sensors

Design OT, plastic housing



Output	Part number	Designation
0-20 mA	655.7018.001	OT18RT-DPAP-0200-SE
4-20 mA	655.7018.002	OT18RT-DPAP-0200-SE
0-10 V	655.7018.003	OT18RT-DPAP-0200-SE

Design OM, metal housing



Output	Part number	Designation
0-20 mA	655.7016.001	OM18RT-DPAP-0200-SE
4-20 mA	655.7016.002	OM18RT-DPAP-0200-SE
0-10 V	655.7016.003	OM18RT-DPAP-0200-SE

Design ON, stainless steel housing



Output	Part number	Designation
0-20 mA	655.7021.001	ON18RT-DPAP-0200-SE
4-20 mA	655.7021.002	ON18RT-DPAP-0200-SE
0-10 V	655.7021.003	ON18RT-DPAP-0200-SE

Design OZ, stainless steel housing Ø 20 mm



Output	Part number	Designation
0-20 mA	655.7000.002	OZ20RT-DPAP-0200-SE
4-20 mA	655.7000.003	OZ20RT-DPAP-0200-SE
0-10 V	655.7000.004	OZ20RT-DPAP-0200-SE