

# Series IZD10

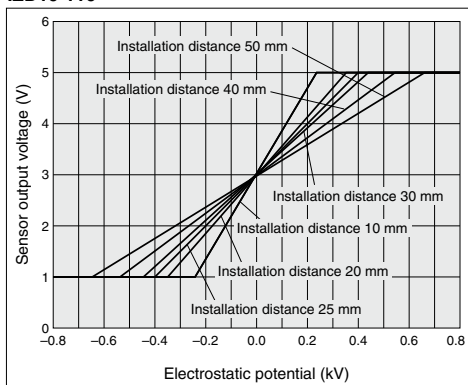
## Technical Data

### Output Signal

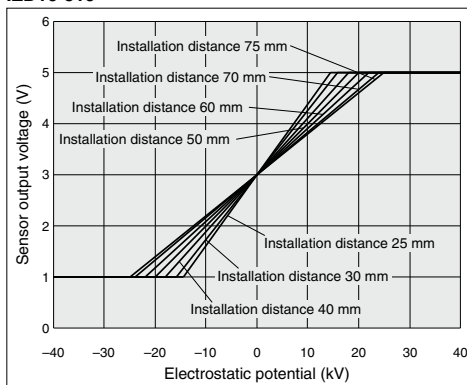
When measuring the potential of a charged object with an electrostatic sensor, the relationship between the electrostatic potential being measured and the output voltage varies depending on the sensor's installation distance. The relationship in the installation distance between the electrostatic sensor's output voltage and the detected electrostatic potential is as shown in the figure below: (The installation distance in the figure refers to the distance between the object being measured and the electrostatic sensor.)

### Relationship in installation distance between electrostatic potential and sensor output voltage

IZD10-110

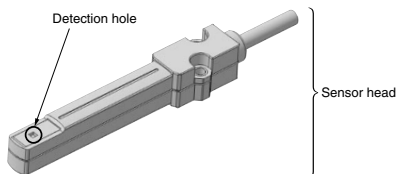
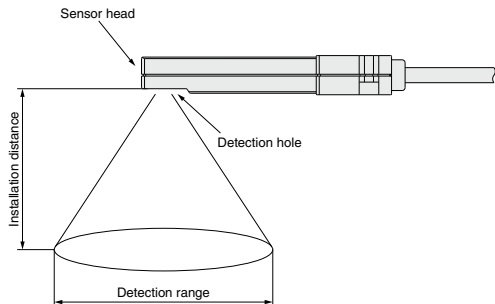


IZD10-510



### Detection Range

The relationship between the electrostatic sensor's installation distance and the detection range is as follows:



IZD10-110

(Potential measurement:  $\pm 0.4$  kV)

Installation distance (mm)	Detection range (mm)
10	45
20	85
25	100
30	120
40	150
50	180

IZD10-510

(Potential measurement:  $\pm 20$  kV)

Installation distance (mm)	Detection range (mm)
25	100
30	120
40	150
50	180
60	205
70	225
75	235

IZS

IZN

IZF

IZD

IZE

IZH