

PROXIMITY SENSORS - INDUCTIVE & CAPACITIVE

Inductive sensors are the right technical and commercial solution for the reliable, non-contact detection of metallic objects for ranges up to 100 mm.

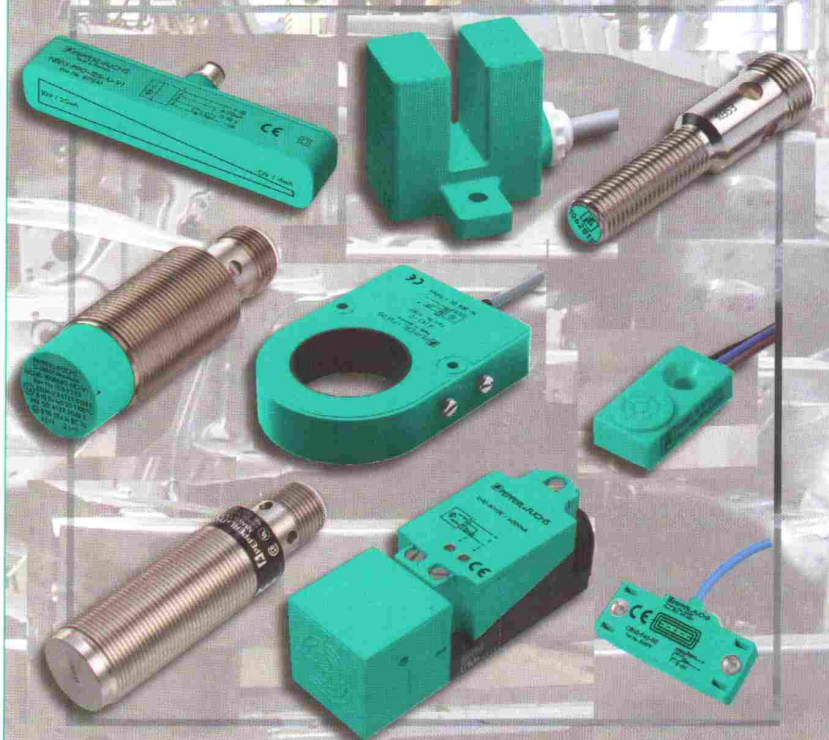
With Pepperl+Fuchs sensors you opt for quality and service! Pepperl+Fuchs has been producing inductive proximity sensors for industrial applications since 1958 making us a pioneer in this field. Our creativity and decades of experience have enabled us to build a world-renowned reputation with this important product line.

Our inductive sensors are used extensively throughout automation technology. The combinations of designs, electrical outputs, and mounting options are almost inexhaustible.

INDUCTIVE SENSORS

AT A GLANCE

- Housing made of brass, stainless steel and plastic
- Reverse polarity protected or tolerant connections
- Short-circuit and overload resistant outputs
- LED indication
- M8, M12 quick disconnect or polarity independent
- Sensors with cable connectors from PVC, PUR or silicon
- Output in 2/3/4 wire DC, AC, NAMUR and AS-Interface versions
- Analog output signal 0 or 4 mA ... 20 mA
- Integrated speed monitor with up to 100 Hz
- Pressurized sensors for up to 500 bar
- Approved for gas and dust Ex zones
- Built-in mechanical stop and screw connectors
- Stainless steel sensing face
- Reduction factor 1
- Protection category up to IP69k (under water and steam jet resistant)
- Weld-immune design with PTFE-coated surface
- Full distance sensing of ferrous and non-ferrous materials
- Safety function
- Extended temperature range: from -40 °C to +250 °C
- e1 type approval



CAPACITIVE SENSORS

AT A GLANCE

- Cylindrical housing made of plastic or stainless steel (M12, M18, M30)
- Super-flat designs with a height of only 5 mm
- Operating distance of up to 40 mm for rectangular design 80 mm x 80 mm x 40 mm
- Approvals for Ex zones

In addition to metallic objects, capacitive sensors detect a large variety of other materials.

They are used for level detection or flow monitoring.