

Altech Corp.® Sensors

by  BERNSTEIN



BERNSTEIN is an established manufacturer of high quality electromechanical and electronic low voltage switching devices and sensors. Our products are used in a wide variety with applications including lift construction and wood working, packaging, printing, and metal working machines.

Selecting the right sensor for the job depends on the ambient and operating conditions, the target material and the technical requirements. Sensing distance, approach direction, output function and target material density are important factors in considering the best detection method to choose.

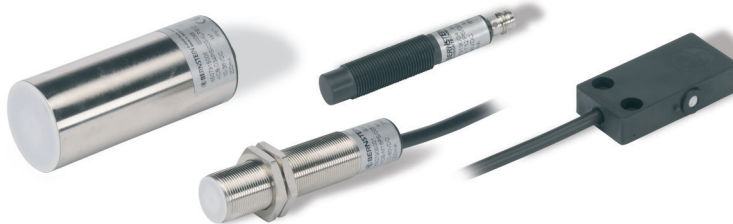
Inductive Sensors ▶

- For detecting various type of metal objects
- Sensing distance from 0.6mm to 40mm
- DC, AC and Namur type
- Metric types from M4 - M30
- Cylinder types from 3mm - 34mm
- Rectangular types from 16x8mm - 40x40mm
- Shielded and unshielded versions
- Cable or connector installation



◀ Capacitive Sensors

- Detects solid, liquid, granular or powdered materials
- Adjustable sensing distance from 40mm to 12 meters
- DC and AC versions
- Metric types from M12 - M32
- Cylinder types from 20mm - 34mm
- Rectangular types from 50x25mm - 68x30mm



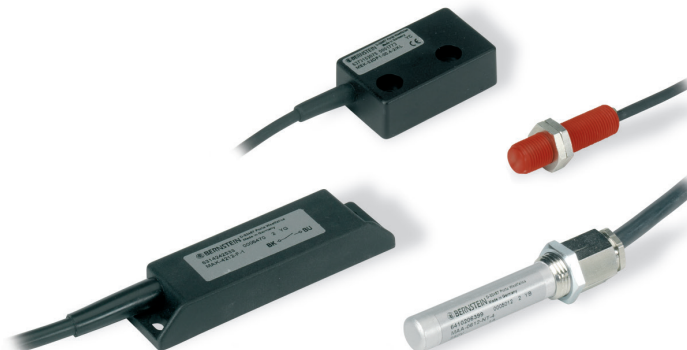
Optoelectronic Sensors ▶

- High immunity to ambient light
- Lower heat build up; longer service life
- Adjustable sensing distance from 2 mm to 30 mm
- Through-beam, Retro-reflective or Diffuse-reflective
- Light or Dark Activated, Programmable
- PNP, NPN or Namur
- Metric types from M12 - M30
- Rectangular types from 12x12x55mm - 88x63x24mm



◀ Magnetic Sensors

- Detects magnet fields or targets
- Immune to vibration; bounce free signaling
- High repeat accuracy; short response time
- Hall effect and magneto resistive technology
- PNP, NC or NO standard or latching contact
- Sensing distance from 5mm to 60mm
- Cylinder type: 6.5mm - M18
- Rectangular type: 8x8mm - 50x25mm
- Large variety of target magnets available



Magnetic Switches ▶

- Detects magnetic fields or targets
- Reed Contact technology
- Very durable; good in harsh environments
- Stable switching point; accurate to 0.1mm
- NC, NO, changeover standard or latching contacts
- Sensing distance from 6mm to 24mm
- Cylinder type: 6mm – 15.5mm
- Rectangular type: 28x18x6mm – 80x20x15mm



◀ Programmable Cylinder Slot Sensors

- Suitable for standard C and T-slots
- Available as cable or plug version
- Versions with 1 or 2 set points
- Freely programmable length adjustments of up to 50mm
- Easy teach in programming
- Fully integrated electronics

Ultrasonic Sensors ▶

- Large detection range of up to 6 m
- 1 or 2 NO/NC or analog
- M12, M18, M30 and 40x26mm, 80x80mm
- 2 programmable switching points
- Analog versions 0-10V or 4-20mA



◀ Float Switches

- Standard, miniature and adjustable
- Multiple magnetic switch technology
- NC, NO or changeover contacts
- 1 to 4 sensing positions
- Large range of enclosure materials and floats
- Custom versions available
- Lengths up to 2 meters

Learn More @

www.altechcorp.com/bernstein/sensors.html

Altech Corporation
35 Royal Road
Flemington, NJ 08822-6000
P 908.806.9400 • F 908.806.9490
www.altechcorp.com

Altech Corp.® 570-2000
Printed November 2015