OPAX-1000

OPACITY SENSOR

Verify opacity of containers with on-line, high-speed, accurate and reliable measurements. The OPAX-1000™ combines proven sensor technology with innovative hardware to provide an easy-to-use system to measure light transmission in a wide variety of applications including packaging containers used in pharmaceutical, food and personal care. Many products require packaging designed to protect the contents from the damaging effects of light. Establishing pass/fail criteria for minimum opacity of these containers and providing on-line measurement of every container eliminates defects and allows real-time control of these processes.

Container materials include HDPE, LDPE and other opaque materials such as paper and composite films. The metal alloy case and glass lens provide robust construction expected in an industrial environment.

The OPAX features a 2-digit display that provides an indication of signal strength making set-up and integration quick and easy. The sensor includes both a discrete PNP/NPN output and an analog output. The analog output signal may be used to assess the relative opacity of samples.
Applications
- Pharmaceutical containers
- Food packaging
- Personal care products
- HDPE containers
- LDPE containers
- Composite films
- Blow molded products
- Paper products

Design & Features
- Small spot size
- High sensitivity and high resolution
- Fast response
- Display range 00-99
- Adjustable gain
- Analog output
- PNP/NPN discrete output

Ordering Information
- OPAX 1000
  Opacity Sensor
- OPAX-1000T
  Transmitter

Accessories
- OPAX-1000B
  Mounting bracket
- LMX-300
  Laser position sensor
- UVX-300C
  Cable 5P, 5M, M12, F

WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of manufacture. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overheating, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied, or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser’s exclusive remedy shall be limited to the repair or replacement at EMX’s option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity in material or workmanship.

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