Increase process throughput with high-speed, accurate and reliable color mark detection. The CMYX™ employs our field-proven, patented technology, combining a broad-spectrum light source, small spot size and fast response to achieve high-speed mark detection capable of detecting standard one-track PHARMA-CODE (0.5mm thin bar width) at 2000ft/min. The metal alloy case and glass lens provide robust construction expected in an industrial environment.

Whether you need to verify color mark presence or measure the position of the print-to-cut triangle, the CMYX provides the accuracy and precision for reliable process control.

The CMYX features a 2-digit display that provides an indication of signal strength making set-up and integration quick and easy. The versatile sensor provides user set-up parameters including light source intensity adjustment, detection threshold and gain selection making the CMYX useful in a wide range of applications.

The CMYX includes a discrete PNP/NPN output that is automatically set for PNP or NPN operation.
Applications

- Color verification
- Printing processes
- Registration mark detection
- Print-to-cut control, folder
- Pharma code
- Small part detection

Design & Features

- 0.4mm spot size
- 25uS response time
- Display range 00-99
- Broad spectrum white LED
- Adjustable gain
- Programmable discrete output
- Automatic and manual threshold adjustment
- Small size

Ordering Information

CMYX
Color Mark Sensor

Functions

NORMAL OPERATING MODE
CALIBRATION
THRESHOLD
LED INTENSITY
HYSTERESIS LEVEL
DISCRETE OUTPUT
SECURITY
TEACH MODE

Displays relative reflection intensity
User sensitivity adjustment
Set detection level
Set LED, LO, MED, HI
Set undetect level 1-9 steps below threshold
Set normally open or normally closed
Lock/unlock pushbutton controls
Auto-set detection threshold

Specifications

White light source
Sensing distance
Spot size
Distance Variation Sensitivity
Response time
Switching Frequency
LED intensity
Relative intensity display range
Sensitivity
Signal level
Detection threshold
Digital Output
Output Function
Security
Power indicator
Detect indicator
Programming indicator
Power to 24VDC
Detect indicator
Program

LED, min. 100,000 hrs.
7-Segment display
Green LED
Red LED
Yellow LED

<3% @ +/- 1 mm from focal point
25uS
40kHz
3 levels
00 to 99
Adjustable
Two 7 segment digits
Two 7 segment digits
Auto-Detect NPN/PN
NO/NC selectable
LOCK / UN-LOCK keypad

Green LED
Red LED
Yellow LED
EEPROM non—volatile memory

51mm (2.0") x 61mm (2.4") x 25mm (1.0")
95 g (0.21 lbs.)
10-24 VDC
60 mA

Discrete output
Supply voltage
-20°C…55°C
-20°C…70°C
Metal alloy

IP65 NOT FOR PRESSURE WASHDOWN

Accessories

UVX-300B
Bracket

UVX-300C
Cable 5P, 5M, M12, F

NOT INTENDED FOR USE IN PERSONAL SAFETY APPLICATIONS.