

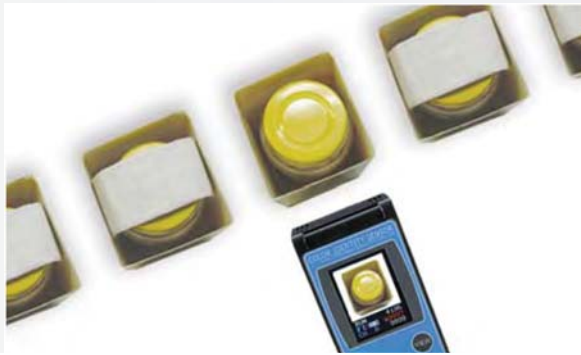


The CVS1-Easy is set-up to verify printing on the spark-plug. If the spark plug has no printing or is faded the sensor's output will turn on notifying the operator of a problem. Because the printing is on curved surface and is not always in the exact location the CVS1-Easy is an ideal choice.

## Smart Color Sensors

**CVS1 Series: Self Contained Color Identification System with built in Camera, Light Source, and Monitor**

- The CVS1 series detects color and amount of color anywhere within the field of view.
- The field of view is set up with a zoom in/out feature that enables much better control over the sensing area than a standard photo-electric sensor.
- Set-up is simple with an onboard monitor and push button teach controls.
- During set-up, the CVS1-Easy displays the colors found within the viewing area. The specific color that is needed for the application is then selected.
- The CVS1-Easy is great for detecting presence of printing or labels on product.
- The CVS is ideal for looking at and differentiating colored marks on material with uneven surfaces.
- The CVS1 can also be used to detect an illuminated light as well as look for a specific color of light. This could be used in testing illuminated rockers switches or LEDs during final inspection of an assembly or product.
- The CVS1 series can also be used as a luminescence sensor when used with an external black light source.
- Also available in Color sorting, edge or contour detection, and OCR date code verification versions.



In this application, an instruction sheet is placed in the package before closing the the lid. The CVS1-Easy is setup to look for the white instruction sheet. If the sheet is missing, the amount of white drops below the threshold level and an output turns on.



An external black light source is used to detect a white label on a white bottle. The luminescent pigment in the label turns blue under the black light. The CVS1 is setup to detect the blue color in order to determine proper placement of the label.