Color, Contrast, Luminescence Sensors

- **Efficiently count specific products based on color**

- **Identify inconsistencies in printed media**

- **Ultrafast response time allows greater line speeds**

- **Laser models available for long-range evaluation**

- **Detect invisible marks on irregular surfaces**
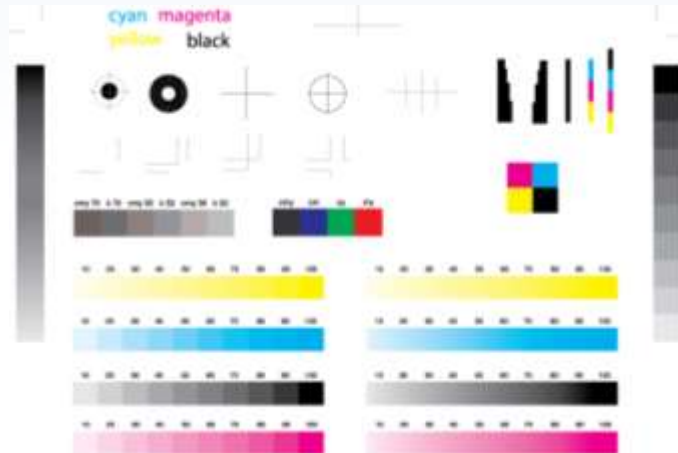
- **4-in-1 and analog outputs**

FEATURES & BENEFITS   TECHNICAL DATA   APPLICATIONS

Color, Contrast, Luminescence Sensors

Specifications	DF12	DK12	DK50
Type	Color Sensor	Contrast Sensor	Luminescence Sensor
Sensing range	11 mm	11 mm	190 mm, 254 mm, 330 mm, 609 mm
Teach method	Potentiometer	Potentiometer	Pushbutton
Light source	LED: Red-Green-Blue	LED: Red-Green-Blue	LED: UV
Output	4-in-1 (3)	4-in-1, IO-Link	NPN and PNP, Analog 0-5 V

Color Sensors

- **Efficiently count specific products based on color**

- **Identify inconsistencies in printed media**

- **Detect color variations in products**

- **Presence monitoring of colored labels**

Contrast Sensors

- **Detect colored print marks, even with low contrast and reflective surfaces**

- **Detect expiration dates on containers or printed lot codes on pill bottles**

- **Monitor presence of bottle cap seal**

- **Verify glue strip presence on carton flap**

Luminescence Sensors

- **Measure precise amount of glue or adhesive**

- **Verify tamperproof seal presence**

- **Identify lumber grade by chalk marks**

- **Verify presence of grease**

- **Test for leaks in seams**