WORLD OF WONDER
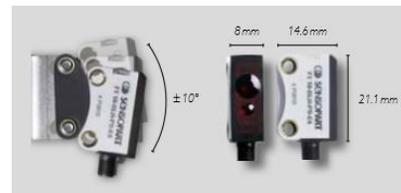
ADVANCES IN TECHNOLOGY

Distances, speeds and prices will get customers coming to SensoPart for their machine vision needs. SensoPart's competitors' are looking twice at what SensoPart has to offer. Even manufacturers are WOW'd at items on the product line. Lets look at the F10 Photo-Eyes Family….
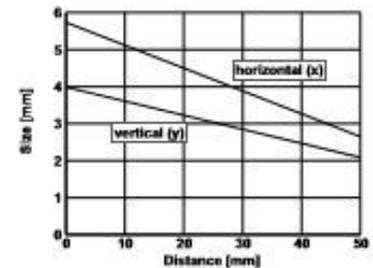
HIGHLIGHTS

♦ The world's smallest laser sensor with adjustable background suppression is especially suitable for handling and positioning applications

♦ Simple mounting and adjustment through innovative dovetail clamp mounting

♦ The light spot of the F 10 laser sensors also remains so focused that **small parts** in the millimeter range can still be reliably detected even at long distances

♦ Sub-miniature sensor with precise fixed background suppression

F10 Photo-Eye, a photoelectric proximity sensor, has the FT 10-RF family as a member. It is a hot item and has good pricing now. It is a smart alternative to some fiber-optic systems because it does not require a transmitter and a receiver.

F10 Photo-Eye is small and can be sunk into the framing profile to save space or be easily placed on a robotic arm for machine design integration. Its size is only 21.1 x 14.6 x 8 mm^3 in size and weighs 3 grams.

F10 Photo-Eye comes with fixed focus red LED or teach-in laser capabilities; NPN/PNP; N.O./N.C.; IP-67; Switching Frequency ≤ 1000 Hz; Response Time 500 µs; Operating Voltage 10 … 30V DC; Material Housing/Screen: PUR/PMMA

Reference Material	Detection Range		
	FT 10-RF1	FT 10-RF2	FT 10-RF3
White (90%)	2 … 15 mm	2 … 30 mm	2 … 50 mm
Grey (18%)	3 … 15 mm	4 … 30 mm	5 … 50 mm
Black (6%)	4 … 15 mm	5 … 30 mm	7 … 50 mm

♦ Reliable switching behavior even with varying object surfaces and colors

♦ Economical multi-purpose sensor

F10 Photo-Eyes — Product Overview				
	Type of Light	Adjustment	Scanning Distance/Range	Special Features
Photoelectric proximity sensor with background suppression (BGS)				
FT 10-RF1.. / -RF2.. / -RF3..	LED / Laser	Fixed Focus / Teach-in	2… 15 mm / 30 mm / 50 mm	