

Press Release

Accurate Motion Sensing for Slippery Surfaces



Hamilton, NJ, October, 2011 – FRABA INTACTON announces a new member of its OPTIPACT family of optical motion sensors. The new OPTIPACT-L is designed to accurately measure displacement or velocity of hard-to-measure materials with glossy surfaces such as polished metals, plastics or foils. Moreover, because OPTIPACT sensors use a non-contacting optical measurement technology, there is no possibility of that damage to sensitive surfaces that can be caused by systems with measuring wheels or rollers.

Most members of the OPTIPACT family use a red LED light source to illuminate the target and work most efficiently on surfaces such as fabric or paper where there is visible surface texture. However, OPTIPACT-L sensors employ short wavelength laser light sources and provide accurate measurements for much finer-grain surfaces. These sensors provide displacement and velocity measurements in two orthogonal directions (x and y) at velocities up to +/- 4 meters/second (13 ft/second). They are equipped with a Class 1 laser illumination which does not require special safety precautions. Enclosed in an IP65-rated housing and measuring a mere 98 x 42 x 35 mm, these compact sensors need minimal installation space and can be easily integrated in virtually any application. A graphical user interface and programmable digital outputs further simplify installation and setup. With costs per piece comparable to conventional encoder/measuring wheel solutions, the sensors are considerably more cost-efficient than all other contact-free systems.



FRABA POSITAL is a Rockwell Encompass Product Partner