



## 152G7-E

Optical speed sensor, 300 kHz

Measurements features		
Diffuse reflection (function encoding and Albedo)	1 < D < 10 (B&W stripes)	mm
Through-beam	50	mm
Electrical features		
Transmitters	850nm + 660nm	
Supply voltage	7 to 30	Vcc
Average current consumption (12Vcc)	<45	mA
Possible inrush current and duration	>1 <10	A µs
Receiver	Si PIN photodiode	
Switching frequency	0 < F < 300	kHz
Commuting time (10% – 90%)	Rise time Fall time	50 50
Commuting time (10% – 90%)	50	ns
Commuting time (10% – 90%)	50	ns
Sensor setting	Automatic threshold and gain control	
Voltage output	TTL	
Target indicator	White LED + top of fiber visible light patented concept	
Protection	Temporary short-cut	
Mechanical features		
Box	Anodized AU4G, standard in black	
Mass	65	g
Dimension	18.80x18.80x52.35	
Dimension	mm	
Environmental features		
Protection	IP64	
Vibration test	20Gpp 5'	
Shock	500	G
Amplifier operating temperature	-10 to +70	°C
Storage temperature	-20 to +80	°C

Recommended probes features		
Diffuse reflection standard / Slit ending fiber probe	Multi YO / Multi SLIT YO	
Through-beam standard / Slit ending fiber probe	Multi FFO / Multi SLIT FFO	
Standard temperature range	-5 to +80	°C
Limit temperature range	-50 to +120	°C
High temperature probe	On specification	°C

Optel-Texys sensors are designed for data logging. Should the users want to include this sensor in a closed loop system, they must undertake total responsibility from doing so.



### Mechanical drawing

