

AttoIC Specification Sheet

	Specification	Description
Optical	Light Source (LS)	Internal: High CRI white LED, 18 lm
	Optical Arrangement (Illumination/ Detection)	10°/0°
	Max Lifetime LS	estimated. 50,000 hrs
	Working Distance (WD)	Internal LS: fixed 10 cm ± 1 cm
	Spot Diameter ¹	5-12 mm
	Colour Tolerancing Method	dE L*a*b*
	Tolerancing Levels	0.3, 0.5, 1.0, 3.0,5.0
	Total Stored References	40
Control	Response time ²	1 s
	Number of switching outputs	1, pnp type
	Number of Digital Inputs	3
	Input 1	Trigger Input Signal
	Input 2	Reference Address Line 1
	Input 3	Reference Address Line 2
	Trigger	PLC/Internal
	Reference Mode Interface	Manual 8 Core Cable
Electrical	Supply Voltage	+24V
	Power Consumption	Approx. 0.6 W
	Short Circuit Protection	yes
	Reverse Polarity Protection	yes
	Overload Protection	yes
	Protection Class	Class III (SELV Safety Extra Low Voltage)
Mechanical	Housing	Aluminium (Anodized)
	Protection	IP64
	Size	61 x 66 x 34 mm ³
	Weight	<240 g
	Mounting	L-bracket attachment (M3x40)
	Cable Gland Cable Length	M8 x 1 1.5 m
Enviro	Ambient Light Immunity ³	Up to 20,000 lux (3)
	Temperature Range	15 – 50 °C
	Humidity Range (non-condensing)	40 – 85 %

1 Depends on aperture size

2 Depends on integration time

3 Influenced by ambient light

Features coming soon...

- External Light Accessory enabling
- Reflectance 45°/0° (for glossy surfaces)
- Transmission measurements (useful for transparent/ translucent samples)

- **RS485 based PLC communication**
- Remote referencing
- Remote change of chosen reference

For queries or more information, please reach out to us at info@attonics-systems.com