SENCON
SENSING • TESTING • GAUGING

Quasar™ II

Can Body Light Testers

ULTP™ V8 with Quasar™ II technology is the latest iteration of the world's best and most widely used can light tester. It offers high speed detection of pinholes, split flanges, and cracked domes at speeds of up to 5,000 cans per minute.

Sencon light testers are included on most modern neckers and standalone machines, able to consistently and accurately identify pinholes as small as 20µm with a rejection rate of 100% for pinholes measuring 50µm.



QUASAR™ II
LIGHT DETECTION

- **Updated Quasar™ II detector heads with improved reliability and stability**
- **No degradation of sensitivity over time (solid state electronic detector)**
- **Supports speeds of up to 5,000 cans per minute**
- **New touchscreen HMI provides clearer system information, additional fault diagnostics and allows settings to be easily adjusted.**
- **System supports E/IP and Modbus for system data such as counters and non time critical IO – simplifying wiring**
- **Cleanliness tests run direct from the HMI – no additional hardware required**

Ordering Information

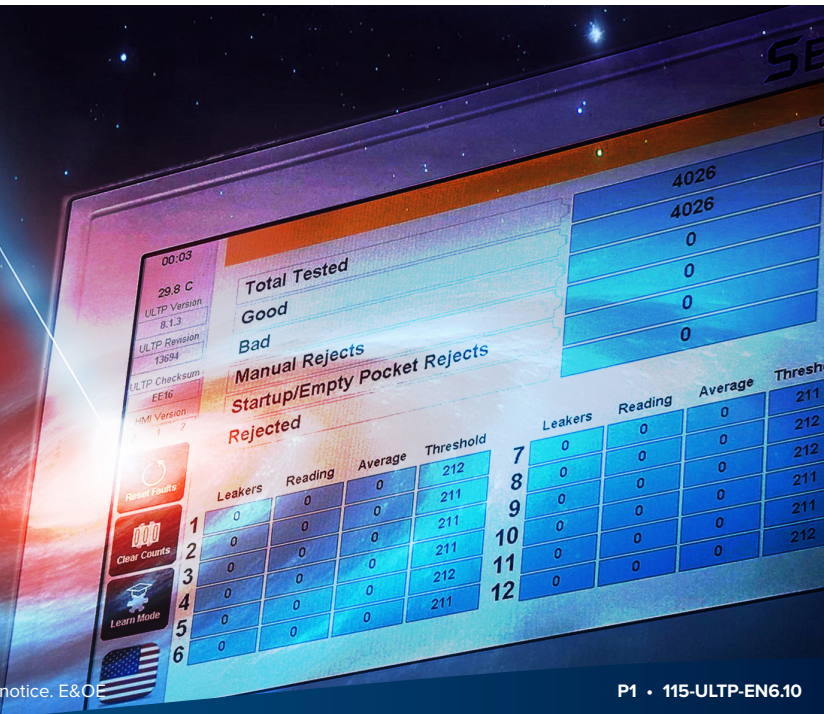
CODE	DESCRIPTION	CAN SIZE	HEIGHT
ULTP	ULTP™ V8 with Quasar™ II technology - Complete Can Light Tester system: Suitable for all kinds of can bodies and sizes		
UPGRADES	Upgrades to existing systems are available including upgrades from halogen to LED light sources – To find out what upgrades are available for your current system simply request a free system audit at sencon.com		

PLEASE NOTE: LED upgrades require the host ULTP system to be brought up to the latest specification. A range of options are available, depending on the system already installed. Simply request a free System Audit or contact your regional Sencon office for advice.

OPERATOR FRIENDLY

A user friendly, yet powerful, touchscreen HMI makes interacting, customizing and controlling Sencon's ULTP™, quick and simple.

Bad can counts, fault diagnostics, and system status are displayed in real-time on the screen. The industry 4.0 capable system can also feed data directly into your plant's SPC software using E/IP or ModBus.



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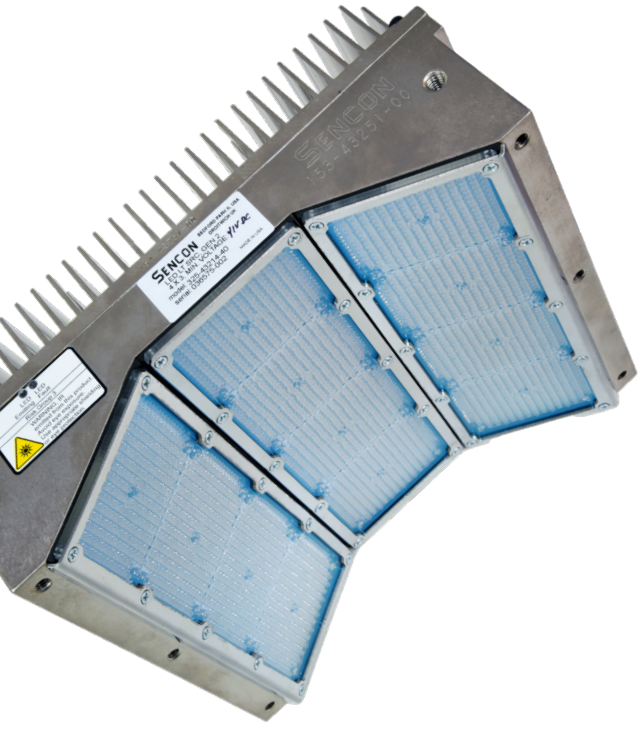
TECHNICAL SPECIFICATIONS

CAPABILITIES	
Applications	**Quasar™ II ULTP™ Light Testers are suitable for detecting leaks in: DWI Cans, Cups, Aerosols and Bottle cans and DRD and 3-piece food cans (round). Can sizes from 3oz pet food cans up to 1L King cans are supported.**
Current machines supported	**Neckers:** ANC, Belvac, CMB, SLAC, Soudronic/Cantec, Stolle. **Standalone:** Reynolds RT6 and other standalone machines. Support for turrets with 5, 6, 8, 10, 12, 15, and 16 pockets.
Maximum speed	**Maximum test rate:** 5,000 CPM
Detector heads	**Drop-in replacement for existing Sencon ULTP™ heads and others.**
Light source options	**Three LED illuminator banks with 3, 4, or 5 arrays** **Drop in replacement for older LED light sources**

SYSTEM	
Operator interface (HMI)	A touch screen interface can be used to interact with the system. The interface provides the operator live data, ability to change system settings, and display messages used for diagnostics and troubleshooting.
Control enclosure	**Network Data:** System counts, status and settings can be retrieved and set remotely using the Ethernet data port. System supports E/IP and Modbus for system data and non time critical IO

UPGRADE OPTIONS	
LED upgrades	The LED upgrade requires the host ULTP system to be brought up to the latest specification. For Halogen systems this represents a major overhaul which may require mechanical parts from the original equipment manufacturer (OEM). Upgrades will include: • New illuminator housing with three LED illuminator banks with 3, 4, or 5 arrays • New detector heads, matched to the LED light source • New 'Flash Control' capability prevents detectors from being temporarily blinded by gross leakers – no shutter required The halogen lamps which were supplied as standard on older installations have proved to be simple and reliable. However, LEDs are better matched to the sensitivity of the detectors than broad spectrum halogen light. Installing an LED lighting array improves the sensitivity of the system. Solid state LED lighting should also reduce the frequency of maintenance required, further minimizing downtime. **To find out what potential upgrade paths are available to you, simply request a free 'system audit'.**



7 TIMES MORE LED'S THAN OTHER SYSTEMS

- Our latest lighting arrays contain 7x more LEDs in the lighting array than other systems, providing uniform illumination and removing the possibility of 'dark spots'.
- Built in reflectors ensure that the can is illuminated evenly, removing the need for an infeed lamp. Adding secondary lighting for aerosols and bottles with small diameter openings and thicker walls is supported.
- Multiple configurations are available to allow greater flexibility for different can sizes. The light source is available configured with three banks of LED's in an array of 3, 4 and 5.

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ULTP™ V8 CAN LIGHT TESTER

QUASAR™ II TECHNOLOGY: Our cutting-edge solid-state silicon photodiodes offer durable and reliable performance. The Quasar™ II technology automatically adjusts its dynamic detection threshold to counteract fluctuations in environmental conditions and background noise that occurs on the press.

LED LIGHTING: LED lighting arrays offer low maintenance, high performance illumination. Upgrades from older halogen systems are also available.

FLASH CONTROL™ SYSTEM: Sencon's Flash Control™ is an ultra-high speed, closed loop feedback between the detectors and the illumination pack. If a damaged can or an empty pocket floods the system with light, Flash Control™ immediately switches off the illuminators to prevent the detectors from being blinded. This means there is no delay for the detectors to recover before inspecting the next can.

30 YEARS EXPERIENCE: Sencon has been the leader in pioneering, developing, and supporting online leak testing for more than 30 years. We have the largest install base and our reputation in the industry has led many packaging customers to choose us as their preferred provider for leak testing systems.

COMMONALITY OF SPARE PARTS: Maintaining commonality of spares amongst our light testers saves spares holding and helps with engineer familiarity.

COMMITMENT TO THE INDUSTRY: Through continual development we have kept canmakers at the forefront of detection capability, delivering improved features and performance. Upgrade paths and future proofing is delivered as much as possible and existing systems are supported far beyond what most suppliers deliver.

SPECIFY QUASAR™: OEM manufacturers may fit one of several different light detectors to the can leak tester systems they supply to you. However, light testers are not all the same. Back to back tests with alternative systems have consistently shown that Sencon Quasar™ detectors are much more sensitive to leak detection, with fewer false positives in actual product. So, to ensure that you continue to get the best performance, it is important that you actively specify Sencon Quasar™ light testers to be fitted to your systems.

REQUEST A FREE SYSTEM AUDIT

Plan for 'equipment obsolescence' and request a free 'system audit' to explore potential upgrade paths for your current ULTP™ system.

WORLDWIDE SUPPORT YOU CAN TRUST

We are committed to providing the best customer support worldwide with service engineers based in North and South America, Europe and Asia backed up with technical support from experienced industry specialists based at three technical support centers – you can trust Sencon.

Support is available via online chat, email and telephone with support resources for all Sencon products available through our online knowledge base.



Industry specialists since 1976

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