

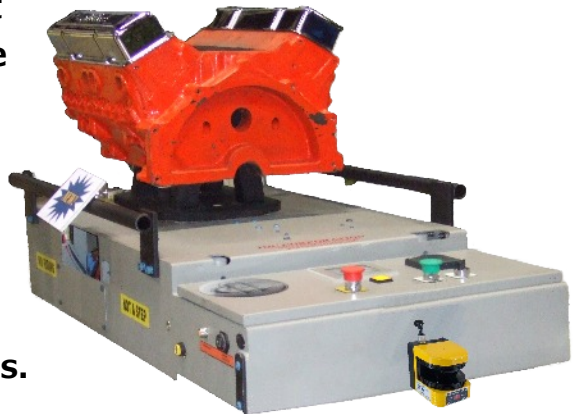
UAM-02LP

Laser Safety Scanner from **HOKUYO**

Introducing the smallest, lightest category 3 safety scanner.

As autonomous equipment is used more and more the need for safety is a non negotiable requirement.

The **HOKUYO** UAM-02LP ensures a safe workplace whilst delivering essential cost & productivity benefits.



- Safety Category 3
- Ultra compact 100 x 90 x 97mm
- Lightweight: 1Kg
- Protection range: 2m
- Warning range: 10m
- Scanning Angle 190°
- 16 configurable area patterns
- Simple PC setup & LED display
- EDM, Reference Boundary Monitor, Interlock & Muting

Specification

Certification	Safety Class 3, SIL 2, CE, IP65
Power Source	24V DC +/- 10%
Light Source	Pulsed laser diode ($\lambda=905\text{nm}$), Safety class 1
Protection Range	Max 2.5m (Safety) Warning Range 8m (Non Safety)
Minimum Detectable Width	30mm $\varnothing$ object: 1.4m, 70mm $\varnothing$: 2.5m 100mm $\varnothing$: 3.5m
Distance Tolerance	+300mm
Detection Angle	180° (Scanning angle = 190°)
Scan speed	30ms/scan (Rotational Speed 2000 rpm)
Response Time	Set OFF 60ms-510ms, Set ON 210ms-510ms
Configurable areas	16 patterns: Config via USB mini B
Output: OSSD1/2 Safety	Protection Area Output (High Side SW) Output Current max 500mA, Leak Current max 1mA Wire (10m AWG 25) Load L/R=25ms C=1 μ F
Output: Warning 2 / ERR / READY /RES_REQ	Warning Area Output (PNP Transistor) Output Current max 500mA,
Input: Safety Related	4 inputs x 2 channels: Imped 4.7K Ω , Wire (10m AWG 25)
Operating Env	-10 to +55°C @ 95% humidity (no condensing or icing)

