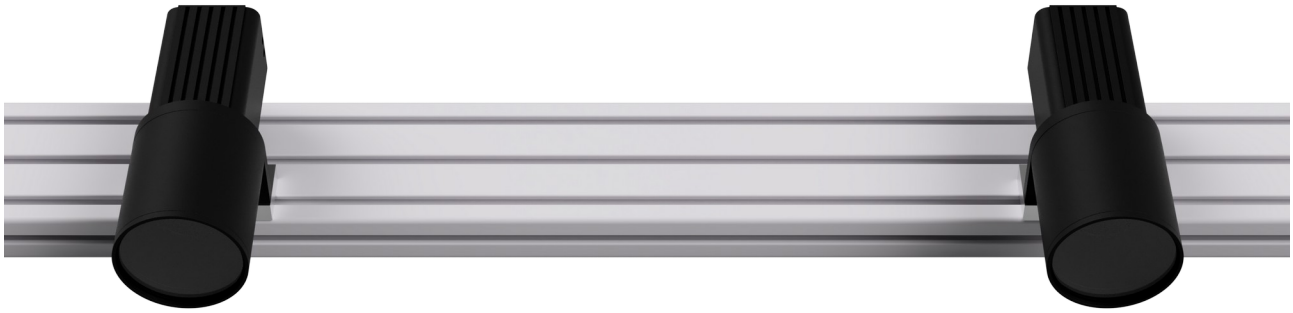
ITG 850 – LC

COMPACT INLINE SURFACE INSPECTION

R.A.M. Realtime Application Measurement GmbH



AUTOMATIC INSPECTION AT AN ENTRY-LEVEL PRICE

The ITG 850 – LC is the entry-level solution for automatic surface inspection: it detects defects in real time and sits between the ITG 500 – Gel Analyser and the FIS 1000 – Economy.

Key Features

- **Entry-level solution:** Automatic surface inspection with a reduced feature set for lines where the FIS 1000 would be oversized.
- **Real-time detection:** Reliably detects surface defects directly in the running process.
- **Proven software:** Operation via CAMEN on the touchscreen – with the same classifiers, warning and alarm limits and the same defect map as on all R.A.M. systems.
- **Open data format:** Log data as CSV file, via TCP/IP or in customer-specific formats; evaluation via either vSTAT or PAT.

TECHNICAL SPECIFICATIONS

Category	Property	Specifications
General	Machine dimensions (L × W × H)	order-specific
	Weight	order-specific
	Installation	By the customer (“Inspection to go”)
Process	Max. web width	order-specific
	Max. web speed	order-specific
Software	CAMEN	Version 12
	vSTAT / PAT	Version 1 – either vSTAT (internal SQL database) or PAT (file-based)
Camera	Interface	GigE Vision
	Resolution	4K; alternatively 2K, 6K, 8K or 12K
LED	LED length	Customer-specific, matched to the web width
	Illuminance	up to 500 000 lx
IPC	Main memory (RAM)	16 GB
	SSD	1 TB
Environment & installation site	Operating temperature	0–45 °C
	Humidity	5–95 % (non-condensing)
	Site requirements	Flat, load-bearing, clean and dry; indoor installation only
Electrical supply	Voltage & frequency	230 V · 50 Hz · 1~
	Power consumption	order-specific
	Connection type	IDC
Communication	Network	RJ45 Ethernet connection (industrial network, segregated segment recommended)
	Data storage	Either stored locally in an internal SQL database with reports via vSTAT or file-based with reports via PAT
	Operation	Touchscreen with on-screen keyboard; mouse and keyboard can be connected

Conformity and documentation

The system is Class A equipment in accordance with EN 55011 and EN IEC 61000-6-4. It is intended for industrial electromagnetic environments and is not intended for use in residential environments.

The system bears the CE marking and conforms to Directive 2014/30/EU (electromagnetic compatibility), Directive 2014/35/EU (low voltage), Directive 2011/65/EU (RoHS) and Directive 2012/19/EU (WEEE).

Supplied documentation: operating instructions MAN-ITG850LC-EN-001, CAMEN user manual MAN-CAMEN-EN-001 and, depending on the selected module, the vSTAT user manual MAN-VSTAT-EN-001 or the PAT user manual MAN-PAT-EN-001.

All data refer to the standard configuration. Values are nominal unless a tolerance is stated. Subject to technical change without notice; this datasheet is not a guarantee of properties.

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