Hygienic design and protection class IP69K

All housings are made of stainless steel and comply with IP69K in accordance with the principles of hygienic design. This ensures that there can be no ingress of moisture even when pressure washers are used.

Optical vacuum sensor

The powerful optical sensor is suitable for all common closures. A minimum distance between the containers is not required. Because of the large measuring distance, it is not necessary to adjust the sensor head manually in many cases for format changeovers involving containers of varying heights.

Large working distance for reliable operation

The large measuring distance of over 100 mm rules out collisions between the sensor head and containers. Variations in the dimensions of the containers, misalignment of containers and vibrations of the conveyor are fully tolerated.

No problems with moisture

Unlike other measuring methods, the optical INDEC system is unaffected by the presence of single water droplets.

Specifications

Closure diameter		30...110 mm			
Working distance		> 100 mm			
Operating voltage		88...264 VAC, 47...63 Hz			
Wattage		200 W max.			
		VD 80	VD 100	VD 300	VA 300
Inputs	Semi-conductor input channel 24 V DC	1	1	2	2
	Rotary encoder input 10...30 V DC	1	1	1	1
Outputs	Semi-conductor output channel 24 VDC, 0.5 A	1	1	8	8
	throughput pcs / min	0...600	0...600	0...1200	0...1200
Ethernet / USB		-	-	1 / 1	1 / 1
Colour graphics display / keys		3.5"/ 4	3.5"/ 4	5"/ 8	5"/ 8
Recipe memory		36	36	250	250
Housing material		Stainless steel (1.4404) / IP69K			
Ambient temperature		0...50 ° C			
Dimensions (L x W x D) mm		300 x 200 x 120			

Equipment

INDEC	Central unit	Connection unit	Vacuum sensor	Light barrier	Sensor holding bracket	Stand	Ejector unit	Ejector monitoring	Collection tray	System synchronisation	Data transfer/ remote maintenance	Industry 4.0 preparation
VD 80*	●	●	●	◉	◉	◉	◉	○	◉	◉	○	○
VD 100	●	●	●	●	●	◉	◉	○	◉	◉	○	○
VD 300	●	●	●	●	●	◉	◉	◉	◉	◉	●	●
VA 300	●	●	●	●	●	●	●	◉	◉	◉	●	●

* Necessary mounting parts/trigger sensor are provided by the customer according to KoCoS specifications

Legend: ● included ◉ optional ○ not available

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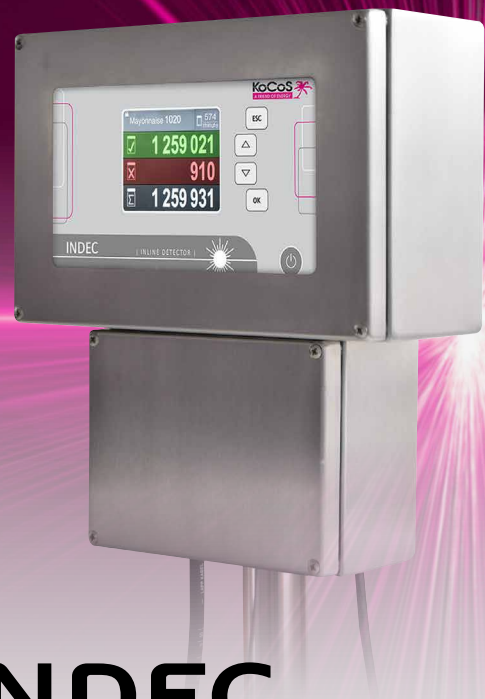
INDEC VACUUM INSPECTION

INDEC



INDEC
VACUUM INSPECTION

Dud Dector

INDEC monitors containers, such as bottles, jars and cans, testing them for leak tightness fully automatically within the production process by means of a non-contact inspection. Containers which show insufficient vacuum, cocked/tilted caps or missing caps are reliably identified.

Whether a complete system is needed or a test device which can be equipped as required to supplement existing components: INDEC provides modern and cost-effective measurement technology to meet the requirements of specific applications.

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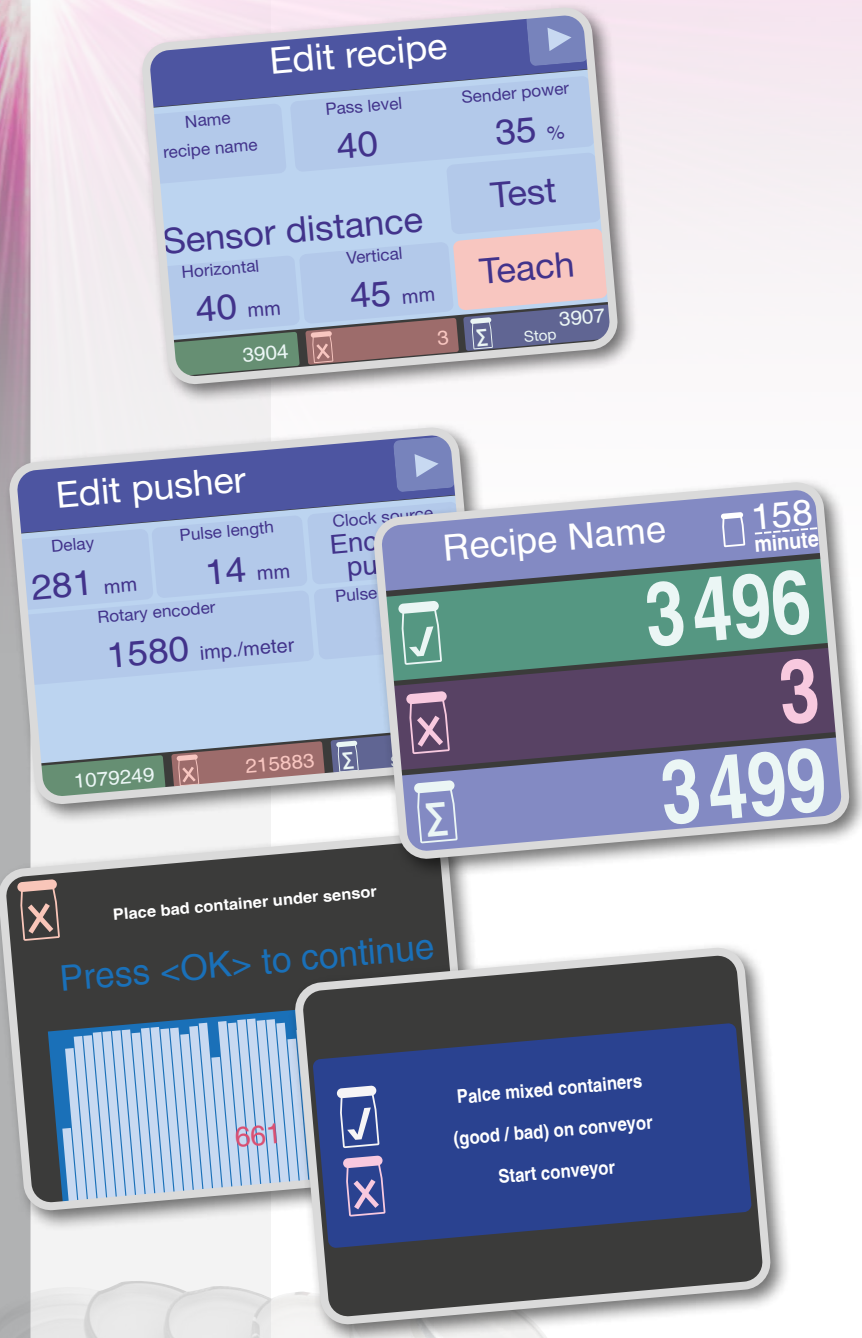

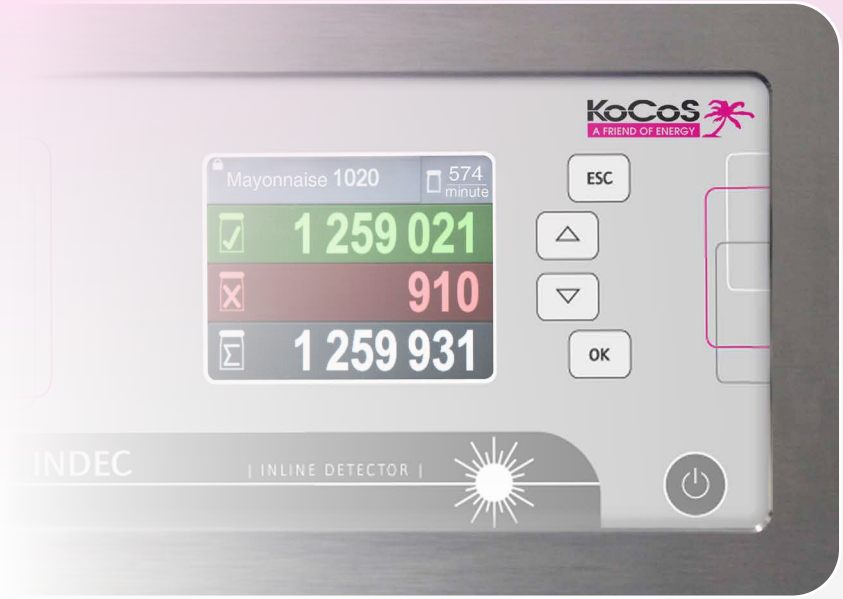

The new operator interface

A new operating concept and extra powerful hardware make for easy operation and optimum display of all information.
The clear, restructured user interface guides the user quickly and intuitively to complete the task in hand. The individual screens are self-explanatory and uncluttered.

Parameterization with teach-in function

The measurement values are evaluated with the testing software. Leak tightness is assessed by comparing the data of each container with the data of a golden sample. The desired values are determined automatically by means of a simple, easy-to-use teach-in function. The operator is guided step-by-step through the interactive teach-in process with graphical support. All container parameters are saved format-specifically and settings are made at the touch of a button.

Easy to use

- Touch screen with graphical user interface for intuitive operation
- Well structured menus for fast, simple configuration
- Colour graphics for the display of measurement results and the operating status
- Display with easy-to-understand graphics and icons
- Smart touch technology for easy operation
- All user controls are located on the front panel with a clear view of the process environment

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