



DECLARATION OF COMPATIBILITY

between **ECOLAB** hygiene products
and **IFM Electronic**

For the completely safe cleaning of your plant



**The ideal partner to provide
industrial sensors.**



The declaration proves the high resistance
of these materials to Ecolab products
commonly and worldwide used in
Food and Beverage Industries.

IFM Electronic GmbH

Friedrichstraße, 1 – 45128 Essen - GERMANY



**Supplier of hygiene solutions for
Food and Beverage industries**

Products



Equipments



Services

ECOLAB Srl

Via Trento 26 – 20871 Vimercate – MB- ITALY



Trials carried-out **ULTRASONIC SENSOR UGT3* Family produced by IFM ELECTRONIC GmbH***

The evaluation has been carried out according to the DIN EN ISO 4628-1 standard (please see the complete standard in attachment).

COMPATIBILITY TRIALS			FINAL EVALUATION			
DETERGENT	CONC. %	MATERIAL	QUANTITY OF DEFECTS	QUALITY OF DEFECTS	COLOR VARIATION	GENERAL EVALUATION
P3-topactive OKTO	2	SENSOR UGT3**	0	0	0	EXCELLENT COMPATIBILITY
P3-topax 66	3	SENSOR UGT3**	0	0	0	EXCELLENT COMPATIBILITY
P3-topax 990	3	SENSOR UGT3**	0	0	0	EXCELLENT COMPATIBILITY
Topactive 200	5	SENSOR UGT3**	0	0	0	EXCELLENT COMPATIBILITY
Topaz AC3	5	SENSOR UGT3**	0	0	0	EXCELLENT COMPATIBILITY
Topaz MD5	5	SENSOR UGT3**	0	0	0	EXCELLENT COMPATIBILITY

Legend

Quantity of defects	Size of defects	Variation in the intensity of color
0 There are no detectable defects	0 No defects are visible below 10x magnification	0 Unchanged, no perceptible change

Test procedure

- Test performed by Ecolab Technical Application Service - Ecolab reference method 40.1 – ISO 4068-1 for the evaluation
- Full immersion of parts in detergent/disinfectant solutions, Water hardness: 20°f (+/- 2°f)
- 28 days total time at 20°C (equivalent to the contact time that occurs in 6 years of daily cleaning)
- Concentration of detergent and disinfectant tested is the one normally recommended

Final statement

- *The Ecolab Technical Application Service Italy certifies that the material tested*

ULTRASONIC SENSOR UGT 3**

produced by IFM Electronic GmbH does have Excellent Compatibility with the following ECOLAB detergents and disinfectants:

TYPE OF DETERGENT DISINFECTANT	PRODUCT NAME	CONC. %
Acid foaming disinfectant	P3-topactive OKTO	2
Alkaline chlorinated foaming disinfectant	P3-topax 66	3
Neutral foaming disinfectant	P3-topax 990	3
Alkaline foaming gel detergent	Topactive 200	5
Acid foaming detergent	Topaz AC3	5
Alkaline foaming detergent	Topaz MDS	5