GOSHO – Intelligent Sensors Dosing System

✔ **The multi-purpose controller especially designed for serving the hygiene industrial market**

✔ Applicable in industrial washing & dishwashing, dairy industry, sanitation, ozone & kitchen drain systems

✔ The application fields are exemplary and the system could be adapted for serving various industrial needs

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GOSHO Controller	FEATURES	VALUE / Additional Information
DISHWASHER MODE	Console dishwasher	Up to 2 dishwashers
	Tunnel dishwasher	Up to 2 tunnel dishwasher machines
	Combination	1 dishwasher and 1 tunnel machine
LAUNDRY MODE (OPL)	Maximum Capacity	Up to 20 kg (up to 1 wash extractor)
BASIC TECHNICAL INFORMATION	Dimensions	170 mm (L) 155 mm (W) 40 mm (H) (only the controler)
	Weight	0.25 kg (only the controler)
	Power supply	150W; Voltage 230VAC 50/60 Hz (external/costomisable)
	Inputs (galvanically isolated inputs)	4 different ranges – [12 – 48] V, [48-230]V.
	Outputs	Up to 4
	Dry Contact input (can be used for low level or dosing as well)	Optional (up to 2 chemicals)
	Connectivity with CM2W platform (24/7)	GPRS (2G,3G,4G) or Wifi (GPRS is recommendable)
	Maximum number of products	Up to 4
	Maximum number of flow meeters	Up to 4
	External control	Keyboard (OLED, 2 x 16)
	Integrated buzzer	Yes
	External buzzer (alarm with singal lamp)	Yes
	Measurement systems	Metric, Imperial or Imperial US
	Inputs for conductive Probe	up to 2
	Inputs for inductive Probe	up to 2
	Inputs for temeprature sensors (PT100)	up to 2
PUMPS INFORMATION	Pump operationg modes	Sequantial and paralel mode (pump per chemical), Flash Manifold (optional instead of one pump)
	Pump type	Up to 4 pumps (any type)
	Flow rate	Depends on the pump
CALIBRATION AND PRIMING	Keyboard calibration	Conducted throught the external keyboard, values will be reported to CM2W servers instantly.
	Remote calibration	Conducted throught CM2W platform, values will be reported to CM2W server instantly. Can be done from a distance
DOSING METHODS	Fixed	Dosage conducted by specific time period
	Flow sensor	Dosage is conducted through a flow meeter (adaptive through time)
	Solid Detergent Dosing	Based on solid detegent spent rate
	Conductive probe mode	Based on measured conductivity
	Inductive probe mode with intergrated temperature sensor	Based on measured conductivity
OPERATION/Working Mode & PROGRAMMING	Dual flowmeter mode	Optional, with up to 3 chemicals only
	Drain system mode	Drain mode can be used in the same time with the other operating modes
	Autoformula or Manual select mode	Supports combination of four signals or different time durations and both
	Proportional dosing	The required amount of chemical is dosed in proportion to the measured amount of water
	Ozone integration	Optional (instead of one pump, comes in a specail metal box with ozone genarator)
	Inputs signal logs	Can monitor inputs and errors remotely
	Copy Wizards	Can copy all settings and calinbration settings between devices
	Device setup and programming	Remote and real time programming via the air
	PNF (progressing notification filter)	Notifications are filtered and addressed to specific people to ensure faster reaction time. Levels can be created as well.

PATENTED TECHNOLOGY

Kitchen dilution & drain system

Dosing systems for dilution of chemicals & preventing from blocking and overflowing of drains and sewers for better protection from the build-up of the fats, oils and grease.

Industrial washing

Especially configured for reliable and precision chemical dosing in commercial laundries for achieving highest efficiency in the washing process.

Dishwashing industry

Reliable and accurate dishwashing dosing in commercial dishwashers for efficient, environmentally friendly and clean dishwashing results.

Integrated ozone system

Ozone generator integration to the dosing system for environmentally friendly cost-effective ozone washes that reduce hot water consumption.

Dairy industry

Maintaining an excellent hygiene and sanitation of milk products and areas in dairy farms.

Clean-in-place solution

Cost-efficient sanitation and disinfection of equipment and production area, while reducing the use of chemicals and water consumption.