

Accuratic DS



Overview

The Accuratic™ DS is a modular and highly accurate dispensing system designed for seamless integration with single-tank door, hood and conveyor dishwashing machines. Engineered with the latest technology and premium components, it efficiently dispenses detergents, rinse aids, boosters, and sanitisers. The system supports conductivity, timed, and speed-based applications.

Setting a new industry standard, the Accuratic DS is the first Diversey dispensing system to use smartphone technology for programming and setup. With Bluetooth connectivity and an intuitive mobile app, users can easily configure the dispenser, monitor hygiene compliance, and generate detailed consumption reports powered by IntelliDish™ Control.

To further optimise functionality, the Accuratic DS features a Basic Washer Interface (BWI) module, enabling local or remote trigger and sensor connections of up to 5 metres from the dispenser. This added flexibility simplifies installation and enhances adaptability in various operational setups.

Designed for safety and compliance, the Accuratic DS has an IPX5 ingress protection rating, making it resistant to low-pressure water jets. It also meets European and North American regulatory standards, ensuring maximum reliability and protection. Additionally, its rail-mounted design allows for quick and easy wall installation.

Features

- Accurate dosing to deliver consistently high cleaning performance
- Reliable and robust dispenser design
- Easy programming via Bluetooth, powered by IntelliDish Control TCS Install app
- App status screen showing dispenser operation parameters
- Instant statistics available on the Customer app
- Integration with Internet of Clean cloud portal
- Multiple dosing modes: Conductivity, Speed, or Timed, with an Initial Charge option
- Power switch for use when descaling the dishwasher
- Single button operation for priming and muting audible alarms
- Flexible installation with ease of maintenance
- Individual Low-level depletion alarm input per pump module
- Comprehensive installation kit included in the box

Specifications

Dimensions - Primary Module & Peripheral Pumps

Height	171 mm / 6.73"
Width	102 mm / 4.02"
Depth	117 mm / 4.61"

Weight

Primary Module	0.980 Kg / 2.16 lbs
Peripheral Pumps	0.655 Kg / 1.44 lbs
Basic Washer Interface	0.340 Kg / 0.75 lbs

Regulatory Approvals

Europe & UK	CE Approved
North America & LATAM	CSA Approved

Power & I/O

Power (Primary Module)	100-240V AC, 50-60Hz, 0.7A
Power (Peripheral Pumps & BWI)	24V DC (Supplied from Primary Module)
External Alarm (Primary Module only)	24V DC, 500mA max load
Low-level Sensor (All Pump Modules)	2-wire Volt-free contact closure (Optional 24V DC)
Conductivity Probe (BWI)	660 to 12,800 μ S at 25°C. Cell constant (K factor) =0.4
Wash / Rinse Temperature Sensor (BWI)	30k Ohms at 25°C
Trigger Input Voltage (BWI)	24 – 240V AC, 0.005A / trigger. 24 – 120V DC, 0.005A / trigger

Programming & Setup

IntelliDish Control TCS Install app (Installation and Setup)	Smart Device Only - Apple iOS / Android OS
IntelliDish Control Customer app (Reports)	Smart Device Only - Apple iOS / Android OS

Dimensions - Basic Washer Interface

Height	Height: 140 mm / 5.5"
Width	153 mm / 6.02"
Depth	68 mm / 2.68"

Mounting

All Modules	Plastic modular mounting rail or DIN rail (35mm Top Hat)
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Materials

Enclosures	Polypropylene 20% mineral filled
Transparent Cover	Polycarbonate
Wall Bracket	Polyphenylene Sulphide

Environmental Specifications

Internal Ambient Temperature Range	5-40°C (41-104°F) For indoor use only
Humidity	Maximum relative humidity 80% at up to 30°C (86°F)
Ingress Protection Rating	IPX5

Pump Specifications

Flow Rate - Detergent Pump	0.2 Bar / 2.9 psi back pressure: 0 - 148ml/min at 100% speed
Flow Rate - Rinse Pump	3 Bar / 43.5 psi back pressure: 0 - 16ml/min at 100% speed
Maximum Duty Cycle - All Pumps	Intermittent use at 100% speed. 50% duty cycle, 5 minutes on, 5 minutes off
Maximum Duty Cycle - Rinse Pump	Continuous use at a maximum of 30% speed
Pickup Tube Length	Maximum 3m / 9.84'
Delivery Tube Length	Nominal 5m / 16.4'. Maximum 7m / 23'
Flow Rate - Sanitizer Pump	2.1 Bar / 30 psi back pressure: 0 - 60 ml/min at 100% speed