

# IW-8, Intelspeed washer



## DESCRIPTION

Intelspeed Washer **IW-8** is designed for washing of standard flat-bottom 96 well plates and microstrips. The unit is fully programmable ensuring multi-step solution ripening, aspiration (aspiration, combination of aspiration/liquid dispensing and soaking, as well as soaking cycle during a particular period of time).

The unit has 100 user-defined programs. Standard version is supplied with 8-channel washing head for dispensing/aspiration, 3 bottles for washing and rinsing solutions, a waste bottle and bottle with filter. Optional 4-channel washing solution weight logger, **4 CHW Logger** is available.

The unit is designed for washing standard 96-well plates during analyses.

The unit provides:

- Washing mode
- Rinsing mode
- Mixing mode
- Double aspiration
- Possibility of additional solution mixing during time gap between two work cycles
- Possibility to use microtest plates by different manufacturers, ensured by automated plate set up (adjusting to different depths of plate wells)
- Plate and strip washing mode
- User-defined programs with adjustable parameters
- Saving work programs

The unit is designed for use in closed laboratory rooms at temperatures from +10°C to +35°C and relative humidity up to 80% at +25°C decreasing linearly to 50% relative humidity at 35°C.

4-channel washing solution weight logger, **4 CHW Logger** provides automatic control of rinsing solution and waste volumes. The washer shows remaining volume for each bottle as percentage and gives a warning message in case of low solution volume or full waste bottle when **4 CHW Logger** is connected.

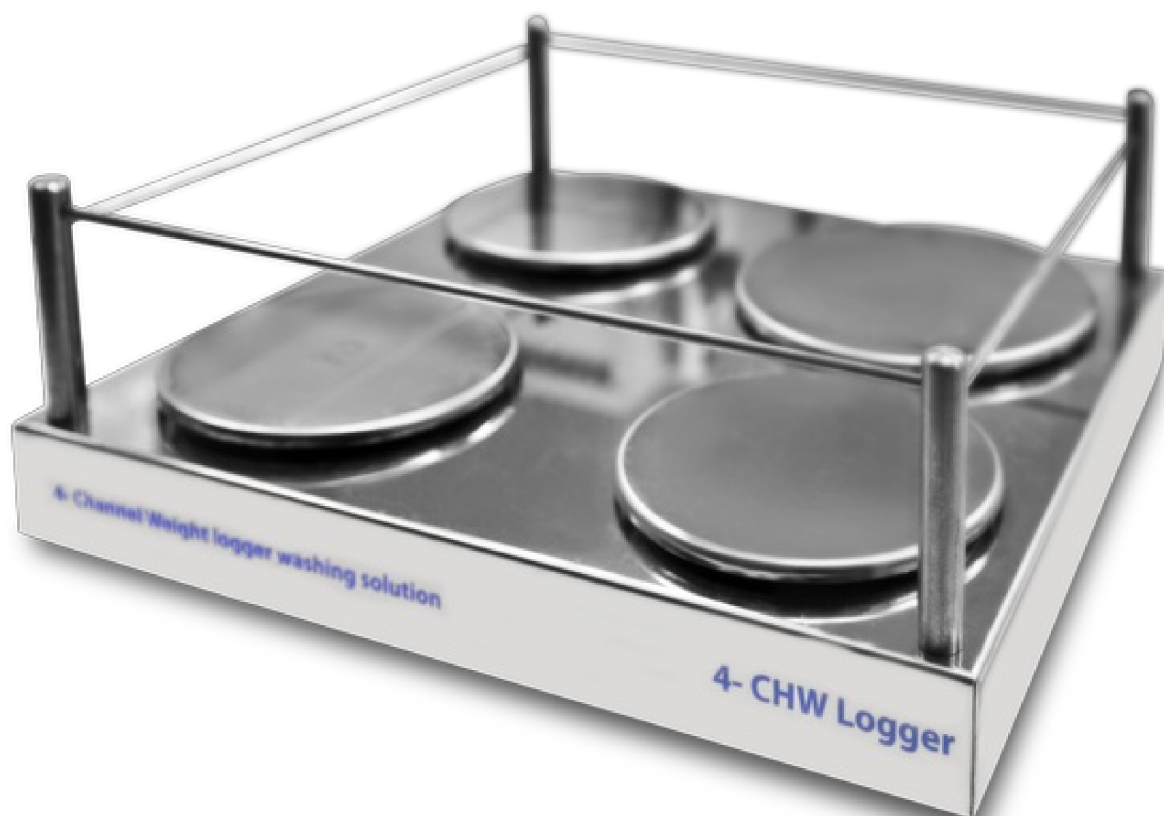


## CAT. NUMBER

|                            |   |
|----------------------------|---|
| BS-060106-AAI              | 230VAC 50/60Hz Euro plug                    |
| BS-060106-AAB              | 230VAC 50/60Hz UK plug                      |
| BS-060106-AA4              | 230VAC 50/60Hz AU plug                      |
| BS-060106-AAJ              | 100VAC 50/60Hz US plug, 120VAC 60Hz US plug |
| Russian language interface | Russian language interface                  |
| BS-060106-A02              | 230VAC 50/60Hz Euro plug                    |
| BS-060106-AK               | IQ OQ document                              |
| BS-060106-BK               | PQ document                                 |

## SPECIFICATIONS

|  |  |
|--|--|
| Minimum dispense volume                      | 25 µl  |
| Maximum dispense volume                      | 1600 µl                                      |
| Dispense increment                           | 25 µl  |
| Dispensing accuracy                          | ±2.5%  |
| Allowed residual liquid volume in plate well | not more than 2 µl                           |
| Number of wells washed simultaneously        | 8  |
| Number of washing cycles                     | 1–15   |
| Aspiration time                              | 0.2–3 s                                      |
| Aspiration/dispensing speed                  | 3 levels                                     |
| Max. number of channels in a program         | 2  |
| Choice of 3 washing liquid bottles           | +  |
| Soaking time                                 | 0–300 s (increment 10 s)                     |
| Shaking time                                 | 0–150 s (increment 5 s)                      |
| Number of washed rows                        | 1 – 12                                       |
| Time of plate single wash (350 µl), not more | 45 s   |
| Number of programs                           | 101  |
| Plate platform and washing head movement     | automated                                    |
| Indication of operation modes                | LCD, 8-line                                  |
| Overall dimensions (W×D×H)                   | 375 x 345 x 180 mm                           |
| Weight                                       | 9.6 kg                                       |
| Input current/power consumption              | 12 V DC, 1.8 A / 22 W                        |
| External power supply                        | Input AC 100–240 V; 50/60 Hz; Output DC 12 V |



4 CHW Logger  
BS-060102-AK

4-channel washing solution weight logger, **4 CHW Logger** provides automatic control of rinsing solution and waste volumes. The washer shows remaining volume for each bottle as percentage and gives a ...

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