



IPS-16 Syringe Pump

Dual Channel Infusion/Withdrawal Pump with Wi-Fi & Recipe Management

The IPS-16 inherits all functions of the IPS-14RS, including independent dual-channel bidirectional control and advanced recipe management. It adds wireless connectivity, enabling seamless remote operation through the **Inovenso Mobile App**. Each channel can be monitored and controlled individually from a mobile device. This model combines high-level automation with smart, wireless process control for ultimate flexibility.

FLOW CONTROL

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|-----------------|---|
| OPERATION MODES | Dual syringe channels (independent or synchronized) |
| FLOW ADJUSTMENT | Real-time control via touchscreen or Wi-Fi |
| RECIPE FUNCTION | Save and execute automated workflows |

MOTOR SPECIFICATIONS

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|-----------------|--|
| MOTOR TYPE | Stepper Motor |
| CONTROL SYSTEM | Microcontroller-based drive |
| FLOW RESOLUTION | Microstep precision (357 nm/μstep) |
| LINEAR FORCE | 20 kg independently for both syringes (44 lbs) |
| DIRECTION | Forward / Reverse |

GENERAL SPECIFICATIONS

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|--------------|--------------------------|
| DISPLAY | 4.3" Color Resistive |
| CONNECTIVITY | Wi-Fi (SSL-encrypted) |
| DIMENSIONS | W 200 × L 257 × H 137 mm |
| WEIGHT | 3.0 kg (6.6 lbs) |

OPERATING CONDITIONS

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|-----------------------|--------------------------------|
| OPERATING TEMPERATURE | -10 °C to 50 °C |
| STORAGE TEMPERATURE | -30 °C to 85 °C |
| STORAGE HUMIDITY | RH 10 % – 90 % (non-condensed) |

- **4.3" touchscreen with intuitive independent control**
- **All features of IPS-14RS plus Wi-Fi connectivity**
- **Operate and monitor each channel remotely via Inovenso Mobile App**
- **Designed for smart, wireless, and flexible process management**
- **Grouped Operation: Control and synchronize multiple channels from a single interface**