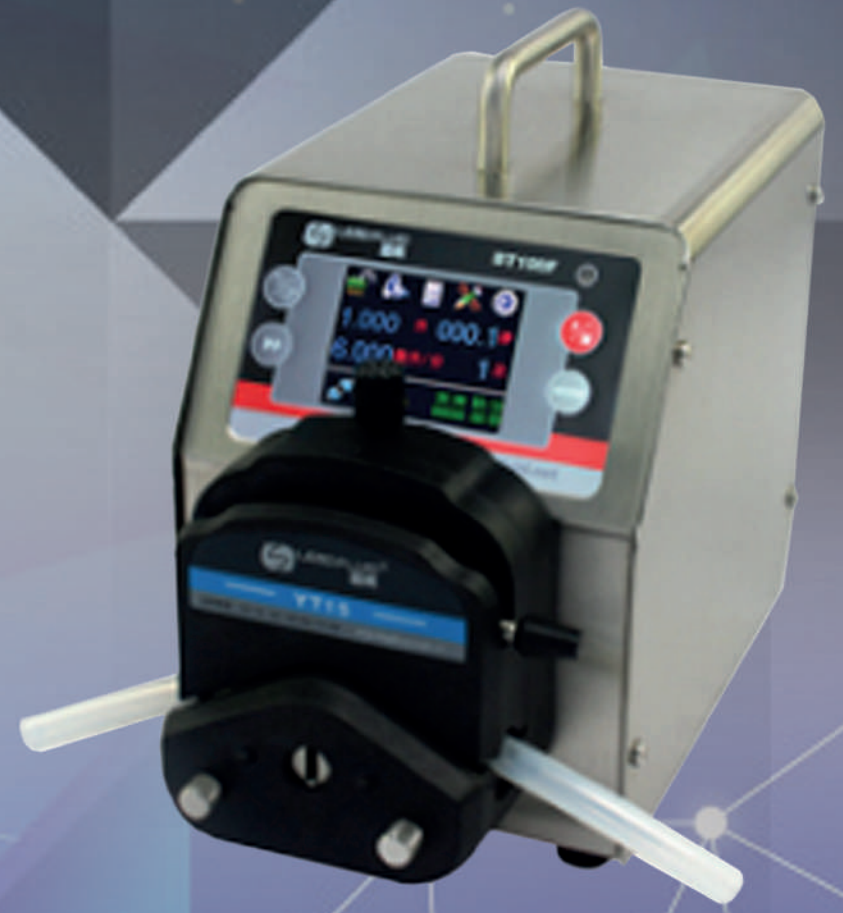




BT F Series



BT 100F Intelligent Dispensing Peristaltic Pump

BT100F Intelligent dispensing peristaltic pump provides flow range from 0.00011 to 720 mL/min with variable pump heads and tubings. It's easy to operate with the intuitive and clear interface with color LCD touch screen. There are four operation modes available: Volume Dispense Mode, Time Dispense Mode, Copy Dispense Mode and Flow Mode. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.



BT 100F

Specifications

- Stainless steel enclosure, easy to clean, resistant to the corrosion of the acid, alkali, sodium and organic solvents.
- Drive multi-channels and variable pump heads.
- Optional footswitch and remote infrared control.

Specifications

- Flow range: 0.00011-720 mL/min
- Speed range: 0.1-150 rpm
- Speed resolution: 0.1 rpm
- Speed accuracy: 0.2%
- Power supply: AC 220V \pm 10% 50Hz/60Hz; AC 110V \pm 10% 50Hz/60Hz
- Power consumption: <40W
- External logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard), 0-10v, 4-20mA (optional)
- Communication interface: MODBUS RS485
- Operating condition: Temperature 0-40°C; Relative humidity <80%
- IP grade: IP31
- Dimensions (L x W x H): 226 x 150 x 238 mm (8.90 x 5.91 x 9.37 inch)
- Weight: 4.8 kg (10.6 lbs)

functions and features

- Color LCD display, touch screen and keypad for operating.
- Reversible direction, start/stop control and adjustable speed.
- Precise motor control technology improves dispense accuracy compared to the traditional time dispense mode.
- Anti-drip function ensures dispense accuracy.
- Three dispense modes available. Time Dispense Mode: automatically dispense by setting the duration for each dose, lag time between doses and number of cycles. Volume Dispense Mode: automatically dispense by setting the volume for each dose, lag time between doses and number of cycles. Copy Dispense Mode: automatically dispense by setting the total volume need to dispense, lag time between doses and number of cycles.
- Store five groups of working parameters for each dispense mode (power-off memory).
- Flow rate display and control; cumulative dispense volume display.
- Flow rate calibration.
- 0.2% high precision rotating speed control with 0.1 rpm speed resolution. Professional operating system. Configure system with setup wizard.
- Intelligent temperature control to minimize working noise.
- External logic level signal can control start/stop, direction and easy dispense functions; external analog signal can adjust the rotating speed. Signal is optically isolated.
- With RS485 MODBUS interface.
- Internal double-layer isolation structure, circuit board with conformal coating make the pump dust-proof and moisture proof.
- Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- Stainless steel enclosure, easy to clean, resistant to the corrosion of the acid, alkali, sodium and organic solvents.
- Drive multi-channels and variable pump heads.
- Optional footswitch and remote infrared control.

BT 100F Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump head	Ch	Tubing size (mm)	Flow rate per channel (mL/min)
BT100F (304SS case)	DG6-1 (6rollers)	1	Wall:0.8~1, ID:≤2.4	0.0001-49
	DG10-1(10rollers)	1	Wall:0.8~1, ID:≤2.4	0.0001-41
	DG6-2 (6rollers)	2	Wall:0.8~1, ID:≤2.4	0.0001-49
	DG10-2 (10rollers)	2	Wall:0.8~1, ID:≤2.4	0.0001-41
	DG6-4 (6rollers)	4	Wall:0.8~1, ID:≤2.4	0.0001-49
	DG10-4 (10rollers)	4	Wall:0.8~1, ID:≤2.4	0.0001-41
	DT10-18	1	13# 14# , Wall:0.8~1, ID:≤3.17	0.0002-82
	DT10-28	2	13# 14# , Wall:0.8~1, ID:≤3.17	0.0002-82
	DT10-48	4	13# 14# , Wall:0.8~1, ID:≤3.17	0.0002-82
	YZ15	1	13# 14# 16# 19# 25# 17#	0.0006-420
	YZ25	1	15# 24#	0.16-420
	2 x YZ15	2	13# 14# 16# 19# 25# 17#	0.0006-420
	2 x YZ25	2	15# 24#	0.16-420
	YT15	1	13# 14# 16# 19# 25# 17# 18#	0.006-570
	YT25	1	15# 24# 35# 36#	0.17-720
	2 x YT15	2	13# 14# 16# 19# 25# 17# 18#	0.006-570
	2 x YT25	2	15# 24# 35# 36#	0.17-720
	DT15-14	1	16# 19# 25# 17#	0.05-400
	DT15-24	2	16# 19# 25# 17#	0.05-400
	DT15-44	4	16# 19# 25#	0.05-260

BT 101F Intelligent Dispensing Peristaltic Pump

BT101F intelligent dispensing peristaltic pump provides flow range from 0.00011 to 720 mL/min with variable pump heads and tubings. It's easy to operate with intuitive and clear interface with color LCD touch screen. There are four operation modes available: Volume Dispense Mode, Time Dispense Mode, Copy Dispense Mode and Flow Mode. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Specifications

- Flow range: 0.00011-720 mL/min
- Speed range: 0.1-150 rpm
- Speed resolution: 0.1 rpm
- Speed accuracy: 0.2%
- Power supply: AC220V \pm 10% 50Hz/60Hz(standard) ; AC110 \pm 10% 50 Hz/60Hz (optional)
- Power consumption: < 30W
- Logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard), 0-10v, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: Temperature 0-40°C; Relative humidity < 80%
- IP grade: IP31
- Dimensions (L x W x H): 257 x 182 x 198mm (10.12 x 7.17 x 7.79 inch)
- Weight: 4.8 kg (10.6 lbs)



BT 101F

functions and features

- Color LCD display, touch screen and keypad for operating.
- Reversible direction, start/stop control and adjustable speed.
- Precise motor control technology improves dispense accuracy compared to the traditional time dispense mode.
- Anti-drip function ensures dispense accuracy.
- Three dispense mode available. Time Dispense Mode: automatically dispense by setting the duration for each dose, lag time between doses and number of cycles. Volume Dispense Mode: automatically dispense by setting the volume for each dose, lag time between doses and number of cycles. Copy Dispense Mode: automatically dispense by setting the total volume need to dispense, lag time between doses and number of cycles.
- Store five groups of working parameters for each dispense mode (power-off memory).
- Flow rate display and control; cumulative dispense volume display.
- Flow rate calibration.
- 0.2% high precision rotating speed control with 0.1 rpm speed resolution. Professional operating system, configure system with setup wizard.
- Intelligent temperature control to minimize working noise.
- Logic level signal can control start/stop, direction and easy dispense functions; external analog signal can adjust the rotating speed. Signal is optically isolated.
- With RS485 MODBUS interface, easy to communicated with external device.
- Internal double-deck isolation structure; circuit board with conformal coating makes it dust-proof and moisture proof.
- Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- ABS plastic housing, streamlined shape.
- Drive multi-channels and various types of pump heads.
- Optional footswitch and remote infrared control.

BT 101F Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump heads	Ch	Tubing size (mm)	Flow rate per channel (mL/min)
BT101F (ABS plastic case)	DG6-1 (6rollers)	1	Wall:0.8~1, ID:≤2.4	0.00016-26
	DG10-1 (10rollers)	1	Wall:0.8~1, ID:≤2.4	0.00011-20
	DG6-2 (6rollers)	2	Wall:0.8~1, ID:≤2.4	0.00016-26
	DG10-2 (10rollers)	2	Wall:0.8~1, ID:≤2.4	0.00011-20
	DG6-4 (6rollers)	4	Wall:0.8~1, ID:≤2.4	0.00016-26
	DG10-4 (10rollers)	4	Wall:0.8~1, ID:≤2.4	0.00011-20
	DT10-18	1	13# 14#, Wall:0.8~1, ID:≤3.17	0.0002-82
	DT10-28	2	13# 14#, Wall:0.8~1, ID:≤3.17	0.0002-82
	YZ15	1	13# 14# 16# 19# 25# 17#	0.006-420
	YZ25	1	15# 24#	0.16-420
	YT15	1	13# 14# 16# 19# 25# 17# 18#	0.006-570
YT25	1	15# 24# 35# 36#	0.17-720	

BT 300F Intelligent Dispensing Peristaltic Pump

BT300F Intelligent dispensing peristaltic pump provides flow range from 0.006-1600 mL/min with variable pump heads and tubings. It's easy to operate with the intuitive and clear interface with color LCD touch screen. There are four operation modes available: Volume Dispense Mode, Time Dispense Mode, Copy Dispense Mode and Flow Mode. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Specifications

- Flow range: 0.006-1600 mL/min
- Speed range: 0.1-350 rpm
- Speed resolution: 0.1 rpm
- Speed accuracy: 0.2%
- Power supply: AC 220V \pm 10% 50Hz/60Hz; AC 110V \pm 10% 50Hz/60Hz
- Power consumption: <50W
- External logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard), 0-10v, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: Temperature 0~40°C; Relative humidity < 80%
- IP grade: IP31
- Dimensions (L x W x H): 226 x 150 x 238 mm (8.90 x 5.91 x 9.37 inch)
- Weight: 5.3 kg (11.7 lbs)



BT 300F

functions and features

- Color LCD display, touch screen and keypad for operating.
- Reversible direction, start/stop control and adjustable speed.
- Precise motor control technology improves dispense accuracy compared to the traditional time dispense mode.
- Anti-drip function ensures dispense accuracy.
- Three dispense modes available. Time Dispense Mode: automatically dispense by setting the duration for each dose, lag time between doses and number of cycles. Volume Dispense Mode: automatically dispense by setting the volume for each dose, lag time between doses and number of cycles. Copy Dispense Mode: automatically dispense by setting the total volume need to dispense, lag time between doses and number of cycles.
- Store five groups of working parameters for each dispense mode (power-off memory).
- Flow rate display and control; cumulative dispense volume display.
- Flow rate calibration.
- 0.2% high precision rotating speed control with 0.1 rpm speed resolution. Professional operating system. Configure system with setup wizard.
- Intelligent temperature control to minimize working noise.
- External logic level signal can control start/stop, direction and easy dispense functions; external analog signal can adjust the rotating speed. Signal is optically isolated.
- With RS485 MODBUS interface.
- Internal double-layer isolation structure, circuit board with conformal coating make the pump dust-proof and moisture proof.
- Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- Stainless steel enclosure, easy to clean, resistant to the corrosion of the acid, alkali, sodium and organic solvents.
- Drive multi-channels and variable pump heads.
- Optional footswitch and remote infrared control.

BT 300F Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump head	Ch	Tubing size	Flow rate per channel (mL/min)
BT300F (304SS case)	YZ15	1	13# 14# 16# 19# 25# 17#	0.006-990
	YZ25	1	15# 24#	0.16-990
	2 x YZ15	2	13# 14# 16# 19# 25# 17#	0.006-990
	2 x YZ25	2	15# 24#	0.16-990
	YT15	1	13# 14# 16# 19# 25# 17# 18#	0.006-1300
	YT25	1	15# 24# 35# 36#	0.16-1600
	2 x YT15	2	13# 14# 16# 19# 25# 17# 18#	0.006-1300
	DT15-14	1	16# 19# 25# 17#	0.05-930
	DT15-24	2	16# 19# 25# 17#	0.05-930
	DT15-44	4	16# 19# 25#	0.05-610

BT 301F Intelligent Dispensing Peristaltic Pump

BT301F intelligent dispensing peristaltic pump provides flow range from 0.006 to 1600 mL/min with variable pump heads and tubings. It's easy to operate with intuitive and clear interface with color LCD touch screen. There are four operation modes available: Volume Dispense Mode, Time Dispense Mode, Copy Dispense Mode and Flow Mode. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Specifications

- Flow range: 0.006-1600 mL/min
- Speed range: 0.1-350 rpm
- Speed resolution: 0.1 rpm
- Speed accuracy: 0.2%
- Power supply: AC 220V \pm 10% 50Hz/60Hz; AC 110V \pm 10% 50Hz/60Hz
- Power consumption: < 40W
- Logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard), 0-10V, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: Temperature 0-40°C; Relative humidity < 80%
- IP grade: IP31
- Dimensions (L x W x H): 257 x 182 x 198mm (10.12 x 7.17 x 7.79 inch)
- Weight: 5.3 kg (11.7 lbs)



BT 301F

functions and features

- Color LCD display, touch screen and keypad for operating.
- Reversible direction, start/stop control and adjustable speed.
- Precise motor control technology improves dispense accuracy compared to the traditional time dispense mode.
- Anti-drip function ensures dispense accuracy.
- Three dispense mode available. Time Dispense Mode: automatically dispense by setting the duration for each dose, lag time between doses and number of cycles. Volume Dispense Mode: automatically dispense by setting the volume for each dose, lag time between doses and number of cycles. Copy Dispense Mode: automatically dispense by setting the total volume need to dispense, lag time between doses and number of cycles.
- Store five groups of working parameters for each dispense mode (power-off memory).
- Flow rate display and control; cumulative dispense volume display.
- Flow rate calibration.
- 0.2% high precision rotating speed control with 0.1 rpm speed resolution. Professional operating system, configure system with setup wizard.
- Intelligent temperature control to minimize working noise.
- Logic level signal can control start/stop, direction and easy dispense functions; external analog signal can adjust the rotating speed. Signal is optically isolated.
- With RS485 MODBUS interface, easy to communicated with external device.
- Internal double-deck isolation structure; circuit board with conformal coating makes it dust-proof and moisture proof.
- Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- ABS plastic housing, streamlined shape.
- Drive multi-channels and various types of pump heads.
- Optional footswitch and remote infrared control.

BT 301F Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump heads	Ch	Tubing size	Flow rate per channel (mL/min)
BT301F (ABS)	YZ15	1	13# 14# 16# 19# 25# 17#	0.006-990
	YZ25	1	15# 24#	0.16-990
	YT15	1	13# 14# 16# 19# 25# 17# 18#	0.006-1300
	YT25	1	15# 24# 35# 36#	0.16-1600

BT 600F Intelligent Dispensing Peristaltic Pump

BT600F intelligent dispensing peristaltic pump provides flow range from 0.006 to 2900 mL/min with variable pump heads and tubings. It offers not only intuitive and clear interface with color LCD touch screen, but also advanced features such as flow rate calibration and anti-drip function for accurate flow transfer. Easy Dispense Mode is available to dispense the recorded volume by pressing the DISPENSE key or using a footswitch. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Specifications

- Flow range: 0.006-2900 mL/min
- Speed range: 0.1-600 rpm
- Speed resolution: 0.1 rpm
- Speed accuracy: 0.2%
- Power supply: AC 220V \pm 10% 50Hz/60Hz; AC 110V \pm 10% 50Hz/60Hz
- Power consumption: <60W
- External logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard), 0-10v, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: Temperature 0~40°C; Relative humidity <80%
- IP rating: IP31
- Dimensions (L x W x H): 226 x 150 x 238 mm (8.90 x 5.91 x 9.37 inch)
- Weight: 5.2kg (11.5 lbs)



BT 600F

functions and features

- Color LCD displaying, touch screen and keypad.
- Reversible direction, start/stop and adjustable speed.
- Flow rate calibration.
- Flow rate display and control; Cumulative dispense volume display.
- Anti-drip function ensures dispense accuracy.
- 0.2% high precision rotating speed control with 0.1 rpm speed resolution.
- Precise motor control technology improves dispense accuracy compared to the traditional time dispense mode.
- Professional operating system, configure system with setup wizard.
- Intelligent temperature control to minimize working noise.
- External logic level signal can control start/stop, direction and easy dispense function; external analog signal can adjust the rotating speed. Control signal is optically isolated.
- With RS485 MODBUS interface, easy to communicate with external device.
- Internal double-layer isolation structure, circuit board with conformal coating makes the pump dust-proof and moisture proof.
- Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- Stainless steel enclosure, easy to clean, resistant to the corrosion of the acid, alkali, sodium and organic solvents.
- Drive multi-channels and various types of pump heads.
- Optional footswitch and remote infrared control.

BT 600F Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump head	Ch	Tubing size	Flow rate per channel (mL/min)
BT600F (304SS)	YZ15	1	13# 14# 16# 19# 25# 17# 18#	0.006-1700
	YZ25	1	15# 24#	0.16-1700
	2 x YZ15	2	13# 14# 16# 19# 25# 17# 18#	0.006-1700
	2 x YZ25	2	15# 24#	0.16-1700
	YT15	1	13# 14# 16# 19# 25# 17# 18#	0.006-2300
	YT25	1	15# 24# 35# 36#	0.16-2900
	2 x YT15	2	13# 14# 16# 19# 25# 17# 18#	0.006-2300

BT 601F Intelligent Dispensing Peristaltic Pump

BT601F intelligent dispensing peristaltic pump provides flow range from 0.006 to 2900 mL/min. It's easy to operate with intuitive and clear interface with color LCD touch screen. There are four operation modes available: Volume Dispense Mode, Time Dispense Mode, Copy Dispense Mode and Flow Mode. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Specifications

- Flow range: 0.006-2900 mL/min
- Speed range: 0.1-600 rpm
- Speed resolution: 0.1 rpm
- Speed accuracy: 0.2%
- Power supply: AC 220V \pm 10% 50Hz/60Hz; AC 110V \pm 10% 50Hz/60Hz
- Power consumption: < 50W
- Logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard); 0-10V, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: Temperature 0-40°C; Relative humidity < 80%
- IP grade: IP31
- Dimensions (L x W x H): 257 x 182 x 198 mm (10.12 x 7.17 x 7.79 inch)
- Weight: 5.5 kg (12.1 lbs)



BT 601F

functions and features

- Color LCD display, touch screen and keypad for operating.
- Reversible direction, start/stop control and adjustable speed.
- Precise motor control technology improves dispense accuracy compared to the traditional time dispense mode.
- Anti-drip function ensures dispense accuracy.
- Three dispense mode available. Time Dispense Mode: automatically dispense by setting the duration for each dose, lag time between doses and number of cycles. Volume Dispense Mode: automatically dispense by setting the volume for each dose, lag time between doses and number of cycles. Copy Dispense Mode: automatically dispense by setting the total volume need to dispense, lag time between doses and number of cycles.
- Store five groups of working parameters for each dispense mode (power-off memory).
- Flow rate display and control; cumulative dispense volume display.
- Flow rate calibration.
- 0.2% high precision rotating speed control with 0.1 rpm speed resolution. Professional operating system, configure system with setup wizard.
- Intelligent temperature control to minimize working noise.
- Logic level signal can control start/stop, direction and easy dispense functions; external analog signal can adjust the rotating speed. Signal is optically isolated.
- With RS485 MODBUS interface, easy to communicated with external device.
- Internal double-deck isolation structure; circuit board with conformal coating makes it dust-proof and moisture proof.
- Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- ABS plastic housing, streamlined shape.
- Drive multi-channels and various types of pump heads.
- Optional footswitch and remote infrared control.

BT 601F Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump head	Ch	Tubing size	Flow rate per channel (mL/min)
BT601F (ABS case)	YZ15	1	13# 14# 16# 19# 25# 17#	0.006-1700
	YZ25	1	15# 24#	0.16-1700
	YT15	1	13# 14# 16# 19# 25# 17# 18#	0.006-2300
	YT25	1	15# 24# 35# 36#	0.16-2900

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