

B/T® Modular Digital Pump

High-volume, high-accuracy dispensing

- Accept **new** B/T PerfectPosition™ pump tubing sizes B/T 87 and B/T 91
- Dispense by volume or time, or pump continuously
- Separate motor and controller by up to 25 feet for convenient operation
- IP56-rated controller and motor protect against dust and water

This durable, variable-speed digital pump is ideal for bulk fluid transfer and dispensing applications. With flow rates up to 37 LPM (9.8 GPM), it can handle large batches quickly and efficiently. Keypad lock/unlock feature helps lock in your settings and prevents accidental or unauthorized changes.

A full-featured dispenser, the B/T modular digital pump offers a powerful, reversible ½-hp motor with simple intuitive controls. Start, stop, prime, reverse, calibrate, and dispense using the sealed keypad. Four-digit LED display shows flow rate (0.1, 1, or 10 LPM resolution autoranging with tubing size), dispense volume (0.1 to 999 L in 0.1 L increments), motor rpm, and copy number (1 to 99 repetitions, 100 mL to over 1000 liters each) for automated repetitive dispensing.

To easily integrate with your process, the pump features extensive remote control capabilities via weatherproof remote cable 77300-32, sold separately below. Remote features include 0 to 20 mA, 4 to 20 mA, and 0 to 10 V speed control input; 0 to 20 mA, 4 to 20 mA, 0 to 10 V, and TTL pulse tachometer output; and pump direction, start/stop, and prime via open collector, contact closure, or handheld remote controller 07592-83 (sold separately below).

Pump stores one user-defined calibration value for maximum accuracy and repeatability. Calibrate manually to compensate or use the nominal calibrations stored in the nonvolatile memory.

What's included: a new Rapid-Load® pump head, 6-ft (1.8-m) power cord (115 VAC: US standard plug; 230 VAC: European plug), and 3 ft (1 m) of Tygon® LFL B/T 91 tubing 06430-91.

Order additional tubing separately on page 1304.

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All Masterflex® B/T® pumps come with 3 ft (1 m) of Tygon® LFL B/T 91 pump tubing. To order additional sizes or formulations of pump tubing, see page 1304.

Dispensing Precision

Tubing size	Minimum dose (for ±0.5% precision)	Precision (±)
B/T 87	5 L	15 mL
B/T 91	10 L	33 mL

Flow Rates in LPM (GPM)

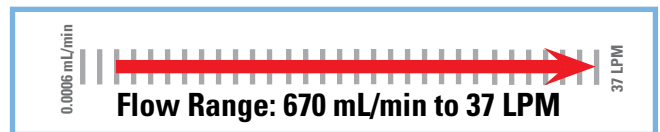
rpm	PerfectPosition™ pump tubing	
	B/T 87	B/T 91
12 to 321	0.67 to 17.7 (0.17 to 4.7)	1.4 to 37 (0.4 to 9.8)

Specifications & Ordering Information

Catalog number	Motor type	Speed control	Motor size	rpm	IP rating	Mounting type	Dimensions (L x W x H)	Power (50/60 Hz)		Price
								VAC	Amps	
KH-77110-40	Variable-speed	±0.3%	½ hp (0.37 kW)	12 to 321	Controller: IP56 Drive: IP56	Direct-drive	Controller: 9" x 11" x 4½" (22.9 x 27.9 x 11.4 cm) Drive: 22" x 15½" x 12½" (56 x 40 x 31.8 cm)	90 to 130	5.0	
KH-77110-47								190 to 260	2.5	

Accessories

- [KH-77300-32](#) Remote cable; required for remote control operation, 25 ft (7.6-m)
[KH-07592-83](#) Handheld remote controller; 25 ft (7.6-m) cable



New

B/T modular digital pump with IP56-rated controller 77110-40



ISO9001:2000
SUPPLIER CERTIFIED

cULus

CE

2 year warranty



07592-83