

Thermo Multidrop Combi



Manufacturer: Thermo Electron Corporation
 Model Number: Thermo-Electron-Multidrop-Combi
 Web Address: www.thermo.com

Thermo Electron Multidrop Combi represents the next generation of bulk reagent dispensers. Multidrop Combi has been designed for effortless high speed dispensing of different types of solutions.

Dispenser: Commands

- ▶ **Version()** - Initialize the connection with the instrument.
- ▶ **Reset()** - Reset the power on the instrument.
- ▶ **BeginProtocol(plateType, protocolName)** - Start a protocol stored in the nonvolatile memory.

plateType	Integer	Specifies the plate type. 0: 96 STD, 1: 96 low DW, 2: 96 DW, 3: 384 low volume, 4: 384 low profile, 5: 384 STD, 6: 384 DW (22mm), 7: 384 DW (44mm), 8: 1536 low volume, 9: 1536 STD, 10-29 other defined plate types. Range of values: 0 to 29.
protocolName	String	Specifies the protocol name stored in nonvolatile memory.

- ▶ **Dispense()** - Dispense the plate.
- ▶ **ClearError()** - Clear the error status from the instrument.
- ▶ **EmptyDispenser(volume)** - Empty the dispenser hoses.

volume	Integer	Volume to empty in 1/10 ul. Range of values: 1 to 10000.
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- ▶ **UnloadPlate()** - Move the plate to the out position where the plate clamp is released.

- ▶ **PrimeDispenser(volume)** - Fill the dispenser hoses with dispenser solution.

volume	Integer	Volume to prime in 1/10 ul. Range of values: 1 to 10000.
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- ▶ **SetCassetteType(type)** - Set the cassette type.

type	Integer	Specifies the cassette type. 0: standard tube cassette, 1: small tube cassette, 2-3: user defined. Range of values: 0 to 3.
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- ▶ **SetColumnVolume(column, volume)** - Set column dispensing volumes.

column	Integer	Specifies the column. (0 = all columns) Range of values: 0 to 48.
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volume	Integer	Specifies the volume in 1/10 ul. (0 = do not dispense to the specified column) Range of values: 0 to 25000.
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- ▶ **Shake(time, distance, speed)** - Shake the plate for the given time

and shake cycle.

time	Integer	Specifies the total time to shake in 1/100 seconds.
distance	Integer	Specifies the shaking movement in mm. Range of values: 1 to 5.
speed	Integer	Specifies the speed of shaking in Hz. Range of values: 1 to 20.

▶ **SetPlateType(plateType)** - Set the plate type.

plateType	Integer	Specifies the plate type. 0: 96 STD, 1: 96 low DW, 2: 96 DW, 3: 384 low volume, 4: 384 low profile, 5: 384 STD, 6: 384 DW (22mm), 7: 384 DW (44mm), 8: 1536 low volume, 9: 1536 STD, 10-29 other defined plate types. Range of values: 0 to 29.
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▶ **SetPumpSpeed(speed)** - Set the pump speed.

speed	Integer	Specifies the pump motor speed during dispensing. Range of values: 1 to 100.
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▶ **SetPredispenseVolume(volume)** - Set the volume predispensed to the priming vessel before dispensing the plate.

volume	Integer	Specifies the volume in 1/10 ul. Range of values: 10 to 100000.
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Dispense Error

🔥 **DispenseError(alarmMessage)** - Error occurred during command execution.

alarmMessage	String	Error message for the instrument
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