

# CTC Analytics HTS PAL



**Manufacturer:** CTC Analytics  
**Model Number:** HTS-PAL  
**Web Address:** [www.ctc.ch](http://www.ctc.ch)

The HTS PAL represents the only sample injection system which has been designed for high throughput applications. Besides micro and deep-well plates the HTS PAL handles standard vials and tubes from which samples can be injected directly into a LC vial.

## Sample Injection System: Commands

▶ **GET\_FW\_VERSION( )** - Retrieve the firmware version of the instrument.

▶ **OPEN\_TRAY( tray )** - Open the specified tray.

tray	String	Object name of class: TRAY.
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▶ **CLOSE\_TRAY( tray )** - Close the specified tray.

tray	String	Object name of class: TRAY.
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▶ **GET\_SAMPLE( source, index, volume )** - Aspirate a sample from the specified location.

source	String	Object name of class: VIAL, WASH_STATION or TRAY.
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index	Integer	Location index of the object.
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volume	Integer	Sample volume to be aspirated.
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▶ **PUT\_SAMPLE( destination, index )** - Dispense a sample to the specified location.

destination	String	Object name of class: VIAL, WASH_STATION or TRAY.
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index	Integer	Location index of the object.
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▶ **CLEAN\_SYR( washStation )** - Clean the syringe using the specified wash station.

washStation	String	Object name of class: WASH.
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▶ **INJ\_SAMPLE( injector, syncSignal, injectedSignal )** - Inject the sample using the specified injector type.

injector	String	Object name of class: INJECTOR.
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syncSignal	String	Object name of class: SYNC_SIGNAL.
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injectedSignal	String	Object name of class: OUT_SIGNAL.
▶ <b>CLEAN_INJ( washStation, injector )</b> - Clean the specified injector type.		
washStation	String	Object name of class: WASH_STATION.
injector	String	Object name of class: INJECTOR.
▶ <b>SWITCH_INJ( injector )</b> - Switch to the specified injector type.		
injector	String	Object name of class: INJECTOR.
▶ <b>GET_OBJECT_INFO( name )</b> - Retrieve the class or object information.		
name	String	Object name of class or the actual object: VIAL, WASH_STATION, INJECTOR, TRAY HOLDER.

## Sample Injection System: Errors

🔥 **Error( description )** - Error message as indicated by the HTS-PAL.

description	String	Error description.
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