

# Pipette Tracker Instrument Library

## *Pre-configured RS232-Serial and TCP/IP Ethernet Device Interfaces*

The Pipette Tracker, Pipette Tracker Pro and Pipette Tracker Pro+ software series includes a library of pre-defined interface drivers including the default port settings and command set supported by each instrument. The Instrument Library is updated with new releases of the software. The software also allows users to define and save new instrument interfaces and use at run-time to automatically obtain environmental and calibration data.

Name	Type	Operation / Commands Set Pre-defined	
<b>A&amp;D</b>			
A&D EK/EW-G series balance	Balance – analytical	Get Weight Unidirectional Zero	
A&D EP/KA series balance	Balance – analytical	Get Weight Get Stable Weight Unidirectional Zero	
A&D EP/KB series balance	Balance – analytical	On/Off Get Weight Get Stable Weight	Zero Unidirectional
A&D ER series balance	Balance – analytical	On Off Zero	Get Weight Unidirectional
A&D ET series balance	Balance – analytical	On/Off Get Weight Get Stable Weight	Unidirectional Zero
A&D FW series balance	Balance – analytical	Get Weight Unidirectional Zero	
A&D FX/FY series balance	Balance – analytical	On/Off Get Weight Get Stable Weight	Zero Unidirectional
A&D HA-A/HX series balance	Balance – analytical	Get Weight Zero Unidirectional	
A&D MC-2000 Money Counter	Miscellaneous	Unidirectional	
A&D 4713 balance	Balance-moisture	Get_No_Time_Temperature_Moisture_Weight Get_Time_Temperature_Moisture_Weight Get_No_Time_Temperature_Moisture Get_Time_Temperature_Moisture	Stop Tare Reset
<b>ACCULAB</b>			
Acculab AL series balance	Balance - analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2	Set_Mode_3 Set_Mode_4 Get_Stable_Weight Close_Doors Finish_Calibration Open_Doors Start_Calibration Tare_Stable Zero_Stable

<b>ACCULAB (cont'd)</b>			
Acculab VI/VIR series balance	Balance - analytical	Start Instrument Stop Instrument Unidirectional Set_Very_Stable_Conditions Set_Stable_Conditions Set_Very_Unstable_Conditions Set_Unstable_Conditions Enable_Balance_Keypad Disable_Balance_Keypad Get_Stable_Weight	Tare Calibrate Close_Doors Finish_Calibration Open_Doors Start_Calibration Tare_Stable Zero Zero_Stable Get_Weight
Acculab VA series scale	Scale	Start Instrument Stop Instrument Unidirectional Set_Weighing_Mode_1 Set_Weighing_Mode_2 Set_Weighing_Mode_3 Set_Weighing_Mode_4	Get_Weight Block_Keys Release_Keys Restart Tare Zero_and_Tare Calibrate
<b>ADAM</b>			
Adam AAA series balance	Balance - analytical	Tare Zero Get Weight	Get Stable Weight Unidirectional
Adam ADA series balance	Balance – analytical	Tare Zero Get Weight	Get Stable Weight Unidirectional
Adam ADG/L series balance	Balance – analytical	Start Instrument Stop Instrument Get_Weight Tare Enable_Continuous_Output Disable_Continuous_Output Stable_Reading_On Stable_Reading_Off Unidirectional	Get_Stable_Weight Close_Doors Finish_Calibration Open_Doors Start_Calibration Tare_Stable Zero Zero_Stable
Adam ADP/AFP series balance	Balance – analytical	Tare Zero Get Weight	Get Stable Weight Unidirectional
Adam AEA/AEP series balance	Balance – analytical	Start Instrument Stop Instrument Get_Stable_Weight Get_Weight Zero_Stable Zero Tare_Stable Tare On Off Enable_Continuous_Output Disable_Continuous_Output	Calibration Echo_On Echo_Off Lock_Keypad Unlock_Keypad Autozero_On Autozero_Off Unidirectional Close_Doors Finish_Calibration Open_Doors Start_Calibration
Adam AMB series balance	Balance – moisture	Get Weight Unidirectional-Get %Moisture/ %Solid Tare Unidirectional-Get Weight Unidirectional-Get Final Results Get Final Results	
Adam ESJ series balance	Balance - analytical	Unidirectional	
<b>ANTON PAAR</b>			
Anton Paar DMA 4500/5000 density meter	Density meter	Get Reading Reset Get Header	Get Units GetInstrumentInformation
Anton Paar DMA 35N density meter	Density meter	Unidirectional	

<b>ANTON PAAR (cont'd)</b>			
Anton Paar DMA38 density meter	Density meter	Start Instrument Stop Instrument Get_Data	
Anton Paar DMA4000 density meter	Density meter	Start Instrument Stop Instrument Get_Header Get_Unit	Get_Data Reset_Data Get_Instrument_Information
Anton Paar Alcolyzer	Miscellaneous	Get Reading Reset Get Header Get Units	
Anton Paar Beer Analyzer2	Density meter	Get Reading Reset	
Anton Paar Softdrink Analyzer 2	Miscellaneous	Get Reading Reset Get InstrumentInformation	Get Header Get Units
Anton Paar DSA5000	Density meter	Get Reading Reset Get Header	Get Units GetInstrumentInformation
<b>ARTEL</b>			
Artel PCS Pipette Calibration System	Photometer – specialized	Reset Set HS CF Req Data End Data OK	Calibrate Cal Summary Get LotCodes Get Parm Identify
<b>B&amp;B</b>			
B&B 232SDA12 Digital I/O Module	Miscellaneous	Start Instrument Stop Instrument zSO SetOutputStates	zRD ReadDigitalLines zRA ReadAnalogLines
B&B 232SDD16 Digital I/O Module	Miscellaneous	Start Instrument Stop Instrument zRD zSO ToggleLine zRC zSD	SetOutputLines SetPowerUpStates zSS DefineLines ReadLines ReadConfig
<b>CHYO</b>			
Chyo Jex 120/200 series balance	Balance – analytical	Get Weight Unidirectional Get Stable Weight On/Off Get Weight and Stability Tare	Tare Stable Reset Set High Stability Mode Set Sample Pouring Mode Set Standard Mode
<b>DENVER INSTRUMENTS</b>			
Denver 215 pH meter	pH/Ion/Conductivity Meter	Get Reading pH/pH Get Reading pH/mV Get Reading mV/mV Get ReadingmV/pH	
Denver 220 pH/Conductivity meter	pH/Ion/Conductivity Meter	Get Reading pH/pH/Cond Get Reading pH/mV/Cond Get Reading mV/mV/Cond	Get Reading mV/pH/Cond Get Reading Conductivity
Denver 225 pH/Ion meter	pH/Ion/Conductivity Meter	Get Reading pH/Ion Get Reading mV	
Denver A/M series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	

<b>DENVER INSTRUMENTS (cont'd)</b>			
Denver APX series balance	Balance-analytical	Get Weight Tare Tare and Zero Zero Set Mode Very Stable	Set Mode Stable Set Mode Unstable Set Mode Very Unstable Reset Unidirectional
Denver M2 Moisture Analyzer	Balance – moisture	Get Reading	
Denver P series balance	Balance – analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Get_Stable_Weight	Close_Doors Finish_Calibration Open_Doors Tare_Stable Zero_Stable Start_Calibration
Denver Pinnacle series balance	Balance – analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Get_Stable_Weight	Zero_Stable Tare_Stable Start_Calibration Open_Doors Finish_Calibration Close_Doors
Denver T series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Denver Timberline series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Denver Summit series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Denver XL410 balance	Balance - analytical	Get Stable Weight Tare Zero Unidirectional	
<b>DILLON</b>			
Dillon Advanced Force Gauge	Stress/Force Tester	Get Reading Unidirectional	
Dillon Advanced Force Torque Indicator	Stress/Force Tester	Get Reading Unidirectional	
Dillon Basic Force Gauge 500	Stress/Force Tester	Get Reading Unidirectional	
Dillon ED-2000plus Dynamometer	Stress/Force Tester	Get Reading Unidirectional	
Dillon HR-2000 Dynamometer Remote	Stress/Force Tester	Get Reading	
<b>DORAN</b>			
Doran NPE4300 scale	Scale	Start Instrument Stop Instrument	Unidirectional Get_Reading
<b>FISHER SCIENTIFIC</b>			
Fisher Scientific Accu series balance	Balance - analytical	Get Weight Tare Zero Restart Set Mode Very Stable	Set Mode Stable Set Mode Unstable Set Mode Very Unstable Unidirectional

<b>JENWAY</b>			
Jenway 6300 spectrophotometer	Spectrophotometer	Get % Transmission Get Absorbance Get Concentration Get Voltage Close Dark Shutter Open Dark Shutter Set Wavelength	Set Concentration Factor Calibrate Unidirectional-Get % Transmission Unidirectional-Get Absorbance Unidirectional-Get Concentration Unidirectional-Get Voltage
<b>LABCONCO</b>			
Labconco Bulk Tray Dryer	Freeze dryers	Start Instrument Stop Instrument Unidirectional	
Labconco Freeze Dryer	Freeze dryers	Start Instrument Stop Instrument Unidirectional	
Labconco Glassware Washer	Miscellaneous	Start Instrument Stop Instrument Unidirectional	
<b>MARK-10</b>			
Mark-10 BG series force gauge	Stress/Force Tester	Unidirectional	
<b>MARS</b>			
Mars scale	Scales	Get Weight Set Mode Tare	
<b>METTLER</b>			
Mettler AM/PM/SM series balance	Balance – analytical	Get Stable Weight Get Weight Tare	Tare Stable Zero Unidirectional
Mettler AT/MT/UMT series balance	Balance – analytical	Get Stable Weight Get Weight Tare Zero Open Right Door	Open Left Door Open Doors Close Doors Unidirectional
Mettler AX/MX/UMX series balance	Balance – analytical	Get Stable Weight Get Weight Tare Stable Tare Zero Stable Zero Clear Tare	Reset Unidirectional Get Serial Number Get Model Number Get Date Get Time
Mettler BB series balance	Balance – analytical	Get Stable Weight Get Weight Tare Stable	Tare Zero Unidirectional
Mettler BD series balance	Balance – analytical	Get Stable Weight Get Weight Tare Stable	Tare Zero Unidirectional
Mettler Standard Interface balance	Balance – analytical	Get Stable Weight Get Weight Tare Tare Stable Clear Tare Zero	Zero Stable Reset Get Serial Number Get Model Number Unidirectional
Mettler MCP	Balance - analytical	*Special balance configuration for Pipette Tracker Pro+	
Mettler MA130 Ion Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading Get_Continuous_Reading	

<b>METTLER (cont'd)</b>			
Mettler MC126 Conductivity Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading	
Mettler MC226 Conductivity Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading	
Mettler MI229 pH Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading	
Mettler MO128 Dissolved Oxygen Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading	
Mettler MP225 pH Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading	
Mettler MP230 pH Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading Get_Continuous_Reading	
Mettler MPC227 pH/Conductivity Meter	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading_pH Get_Reading_Conductivity	
<b>OHAUS</b>			
Ohaus Adventurer balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Ohaus Analytical Plus AP series balance	Balance – analytical	Get Weight Tare Unidirectional Calibrate	
Ohaus Explorer balance	Balance – analytical	Get Weight Tare Zero Unidirectional On Off	
Ohaus GT series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Ohaus Navigator balance	Balance – analytical	Get Weight Tare Zero Unidirectional On Off	
Ohaus Scout II balance	Balance – analytical	Tare Zero Get Weight Unidirectional	
Ohaus Voyager balance	Balance – analytical	Get Weight Tare Zero	Unidirectional On Off
<b>OMNIMARK</b>			
Omnimark uWave Moisture Analyzer	Balance –moisture	Get Reading	

<b>ORION</b>			
Orion EA940/960 Ion Analyzer	pH/Ion/Conductivity meter	Get Reading Next Channel	
<b>PENNSYLVANIA</b>			
Pennsylvania 7600 series scale	Scale	Get Gross Weight Get Net Weight Get Count Get Piece Weight Get Tare Weight Zero Reset	Get Time Get Date Set Count Mode Set Weight Mode On Off
<b>PERKINELMER</b>			
PerkinElmer PE2380 AA	Atomic Absorption	Start Instrument Stop Instrument Unidirectional	
PerkinElmer PE3110 AA	Atomic Absorption	Start Instrument Stop Instrument Unidirectional	
PerkinElmer PE5000 AA	Atomic Absorption	Start Instrument Stop Instrument Unidirectional	
<b>PRECISA</b>			
Precisa 290/480 series balance	Balance – analytical	Get Weight Zero Tare On Off	Unidirectional Set Mode Unstable Set Mode Stable
Precisa 320 series balance	Balance – analytical	Get Weight Get Stable Weight Tare Zero	On Off Unidirectional
<b>SARTORIUS</b>			
Sartorius BasicLite/BL/BJ series balance	Balance – analytical	Get Weight Tare Unidirectional Zero	Set Mode 1 Set Mode 2 Set Mode 3 Set Mode 4
Sartorius BasicPlus series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	Set Mode Very Stable Set Mode Stable Set Mode Unstable Set Mode Very Unstable
Sartorius Competence/CP series balance		Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Zero_Stable Tare_Stare
Sartorius ED series balance	Balance – analytical	Start Instrument Stop Instrument Get_Weight Tare Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Internal_Calibration Keyboard_Locked Keyboard_unlocked Get_Serial_No. Get_Weight_Extended Get_Model_Name Restart_Balance

<b>SARTORIUS (cont'd)</b>			
Sartorius Expert/LE series balance	Balance – analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Finish_Calibration Open_Doors Close_Doors Get_Stable_Weight Zero_Stable Tare_Stable
Sartorius Genius/ME series balance	Balance-analytical	Get Weight Tare Zero Unidirectional	Set Mode 1 Set Mode 2 Set Mode 3 Set Mode 4
Sartorius M2P micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius M5P micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius Masterpro LA series balance	Balance-analytical	Get Weight Tare Zero Unidirectional	Set Mode 1 Set Mode 2 Set Mode 3 Set Mode 4
Sartorius Masterpro LP series balance	Balance-analytical	Get Weight Tare Zero Unidirectional	Set Mode 1 Set Mode 2 Set Mode 3 Set Mode 4
Sartorius MC series balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius MC21S micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable

<b>SARTORIUS (Cont'd)</b>			
Sartorius MC5 micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius ME5 micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius SpeedCal	Balance-analytical	*Special Balance configuration for Pipette Tracker Pro+	
Sartorius SC2 ultra micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius SE2 ultra micro balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius Talent/TE series balance	Balance-analytical	Start Instrument Stop Instrument Get_Weight Tare Zero Unidirectional Set_Mode_1 Set_Mode_2 Set_Mode_3	Set_Mode_4 Start_Calibration Open_Doors Finish_Calibration Close_Doors Get_Stable_Weight Tare_Stable Zero_Stable
Sartorius MA150 moisture analyzer series	Balance-moisture	Start Instrument Stop Instrument Get_Weight	GLP_Header Unidirectional_Moisture_Loss Tare
Sartorius MA moisture analyzer series	Balance-moisture	Start Instrument Stop Instrument Get_Weight Unidirectional	
Sartorius PP professional meters series	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Get_Reading_pH/pH Get_Reading_pH/mV	Get_Reading_mV/mV Get_Reading_mV/pH ReadChannel_A ReadChannel_B
Sartorius Docu-pH+ meters series	pH/Ion/Conductivity Meter	Start Instrument Stop Instrument Unidirectional_Reading_mV/pH Unidirectional_Calibration_Record	

<b>SCIENTECH</b>			
Scientech SA/SG/SL/SP series balance	Balance-analytical	Get Weight Tare Unidirectional	Clear Zero Calibrate
<b>SETRA</b>			
Setra BL/EL series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
<b>SHIMADZU</b>			
Shimadzu AEL/AEU series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Shimadzu AW/AX/AY series balance	Balance – analytical	Get Weight Tare Zero	Unidirectional Get Stable Weight On/Off
Shimadzu BW/BX series balance	Balance – analytical	Get Weight Tare Zero Unidirectional	
Shimadzu EB series balance	Balance – analytical	Get Weight Tare Zero	Unidirectional On/Off
<b>THELCO</b>			
THELCO Incubator	Miscellaneous	Start Instrument Stop Instrument Unidirectional Set_Setpoint_Temperature	Set_High_Temperature_Limit Set_Print_Rate Set_Print_Format View_Actual_Temperature
THELCO Oven	Miscellaneous	Start Instrument Stop Instrument Unidirectional_Type_0 Unidirectional_Type_1 Set_Setpoint_Temperature Set_High_Temperature_Limit Set_Setpoint_Time	Start Stop Set_Baud_Rate Set_Status_Update_Time Set_Status_Display_Type View_Actual_Temperature View_Alarm_Status
<b>TRACE</b>			
Trace TA3000/TA7000 gas analyzer	Gas analyzer	Unidirectional	
<b>VAISALA</b>			
Vaisala HMT331	Environmental Monitors	Get Temperature and %RH	
<b>WEIGH-TRONIX</b>			
Weigh-Tronix PC805 Counting Scale	Scale	Start Instrument Stop Instrument Get_Piece_Count Get_Piece_Weight_Value Get_Net_Weight Clear_Sample	Zero Reset Set_Count_Mode Set_Weight_Mode Unidirectional
<b>YSI</b>			
YSI 52 dissolved oxygen meter	Gas Analyzer	Start Instrument Stop Instrument Unidirectional	



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