

WATERS CORPORATION
ENGINEERING TEST SPECIFICATION AND PROCEDURE
COMPANY CONFIDENTIAL

SYSTEM/ASSEMBLY NAME: **ACQUITY COMMON PLATFORM SAMPLE ORGANIZER**

PART NUMBER AFFECTED: **186015014, 800000399**

TEST EQUIPMENT NAME: **CPSO FINAL TEST**

TEST EQUIPMENT NUMBER: **TE82865**

DOCUMENT NUMBER: **735002510**

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DATE: **November 22, 2011**

REVISED BY: **RICHARD DAVIS**

DATE: **August 14, 2013**

REVISION: **D**

VALID IF CURRENT EFFECTIVE REVISION AND STAMPED IN RED BY DOCUMENT CONTROL OR WITH SAP-GENERATED TIME & DATE STAMP.

EQUIPMENT REQUIRED

Quantity	Part Number	Description
1	999034724	XTS Support Bracket
1	999035402	Optics Alignment Shelf
1	405012913	YTS Adjustment Guide Bar
1	405012740	XTS/YTS Hardstop Adjustment Tool
1	999035845	XTS Port Insulated Cover w/Handle
1	999030669	Side panel insulated cover
19	999029491	Weighted Well Plates
19	289006167	Assy, Shelf, Sample Organizer
1	279002260	Assy, Transfer Mechanism, X-Axis
1	999035402	Assy, Target Shelf
1	999034724	Well Plate Support

REFERENCE DOCUMENTATION

Document Number	Description
735001199	ETS/ATS Shuttle Test Procedure
TE82865	CPSO Final Test software revision 1.18

SPECIFICATIONS

Regulator pressure	75 psi
Plate over-run sensor	≥ 60
Air Pressure Decay	≤ 1.2 PSI (5 min.)
XTS/YTS Transfer Speed	≥ 1 sec. & ≤ 1.5 sec
Plate Latch Actuation Speed	$\geq .5$ sec & ≤ 1 sec
Plate Latch Retraction Speed	≥ 1 sec & ≤ 1.5 sec
Cooling Test	$\leq -.38$ deg. C/min.
Heating Test	≥ 1.52 deg. C/min.
Plate Transfers	> 70

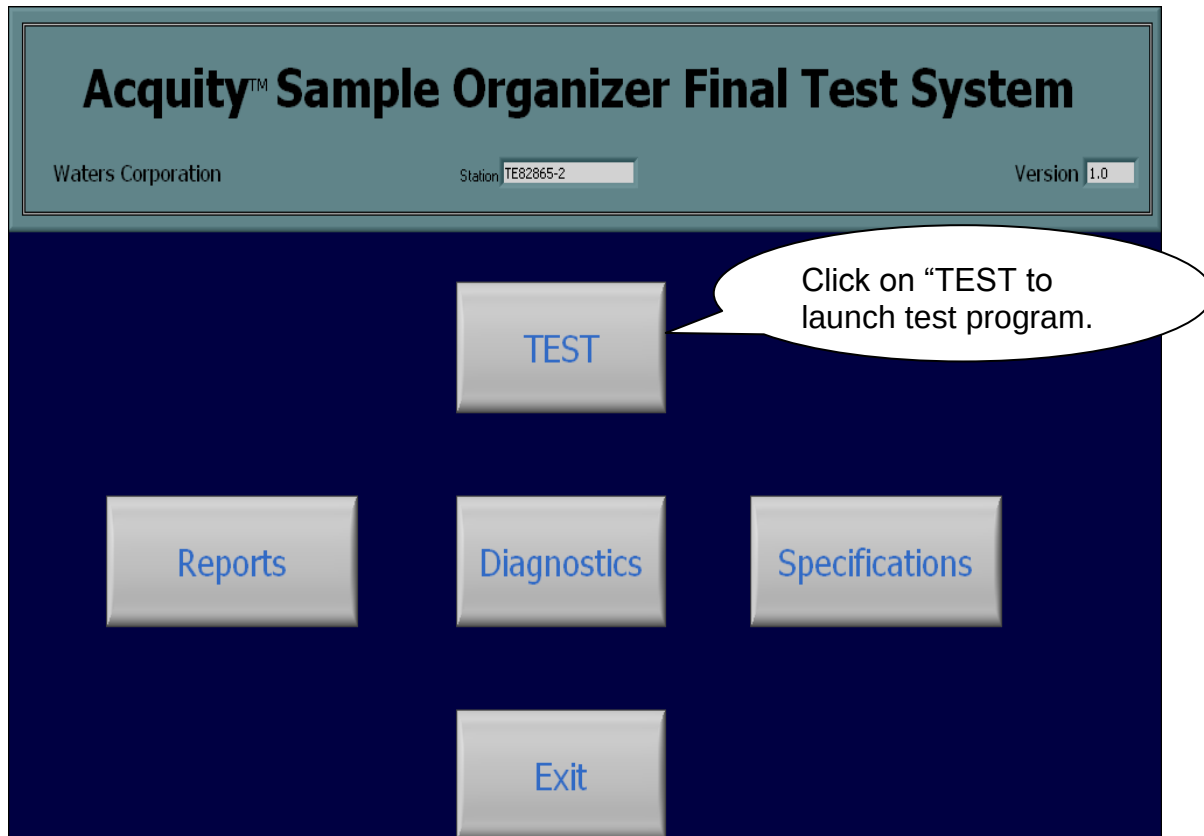
TEST PROCEDURE

1. TESTER SETUP

- 1.1. Power up PC and Monitor.
- 1.2. Windows User Name = “tester”
- 1.3. Windows Password = “tester”
- 1.4. The test program should automatically boot-up after logging in, but if it’s not running double-click the “CPSO Final Test” desktop icon.

2. TEST

- 2.1. Attach the XTS support bracket (tool #999034724) to the right side of the UUT.
- 2.2. Slide XTS Assy (279002260) through hole and mount to XTS support bracket with 4 screws (WAT414410). Connect air lines (color match) & connect all sensor cables.
- 2.3. Install Well Plate Support (tool #999034724) onto XTS Assy. (279002260).
- 2.4. From the main menu click the “TEST” button to launch the test sequence.



2.5. Click the “Test” button.

2.6. Follow on-screen instructions.