

CPC Update - Version 2016.2.27

This topic sheet explains the updates made to CPC on February 27, 2016.

Table of Contents

Trend View.....	2
Tracer grid resizing bug	2
New "Offset" feature.....	2
Part attachment editor	3
DisableSensor display bug fixed.....	3
CheckFields object	4
Bug fixed for when checking multi-recipe parts	4
New QuantityOfParts check.....	5

Trend View

The following changes are made.

Tracer grid resizing bug

If the tracer grid were to be resized to zero width or zero height, an untrapped error would occur that would cause the CPCClient application to crash. The resizing has now been limited to avoid this error.

Tracer1		
Elapsed Time	Value1	Rate1
AIRTC	70.0	0.00
HITC	0	0.00
LOTIC	0	0.00
PRESS	0.160	0.00
TSET_AIR	70	0.00
HIPRB	-28.9	0.00
LOPRB	-29.9	0.00
TSET_PART	70	0.00
PSET	0	0.00
HIRATE	0	0.00
PTC12	0	0.00
COMBOVERTEMP	0	0.00

New "Offset" feature

The tracer grid now lets you switch between a normal rate display and an offset display. The offset will show the difference between the selected tracer values and the previous tracer values. This is a useful tool for cases where it's important to know the relative change of value over a time period (ie. vacuum leak testing).

Click the button to toggle between Rate and Offset calcs. *Note: "Rate" is calculated based on the change of value over time, where the time interval is defined by the trend icon property RateCalcTime.*

	Tracer1		Tracer2		Tracer3	
Elapsed Time	41S		1M 51S		2M 51S	
Time Span		1M 10S		1M 0S		2M 10S
Input Names	Value1	Rate1	Value2	Rate2	Value3	Offset3
AIRTC	76	7.40	96.8	19.67	111.8	15.00
HITC	74.2	0.00	75.7	2.05	78.4	2.70
LOTIC	73.8	0.01	75.4	2.16	78.1	2.70
PRESS	0.600	0.00	0.600	0.00	0.600	0.00
TSET_AIR	150	0.00	150	0.00	150	0.00
HIPRB	0	0.00	0	0.00	0	0.00
LOPRB	0	0.00	0	0.00	0	0.00
TSET_PART	70	0.00	70	0.00	70	0.00
PSET	0	0.00	0	0.00	0	0.00
HIRATE	0.020	0.03	2.0	2.49	4.0	2.00
PTC12	0	0.00	0	0.00	0	0.00
COMBOVERTEMP	0	0.00	0	0.00	0	0.00

Part attachment editor

The following changes have been made.

DisableSensor display bug fixed

The check-box for the “Disable sensor at start of run” feature (set on PartTemplateManager object) has been reformatted to fit the attachment form. On prior versions this check-box was positioned so that part of it was overrunning the form.

Part Attachment Selector

Part: (1) TOOL Part TCs

☒ Part TCs Probes Vac Source

		3	4	5	6	7	8	9	10
11	12	PTC3: 70.6 Deg.F							

☐ Disable sensor at start of run

Close

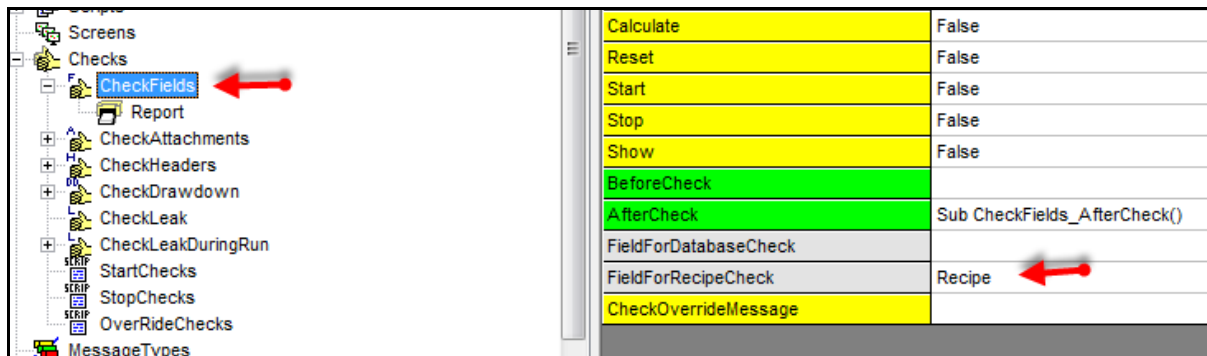
CheckFields object

The integrity checks object used for Field checks has been modified.

Bug fixed for when checking multi-recipe parts

CPC has had the ability to assign multiple recipes to a part in the part database. This feature allows a part to be used with multiple recipes and also maintains the recipe-matching feature in the part entry screen. Unfortunately, when CheckFields object was setup to check recipe matches, it was not able to distinguish multi-recipe part configurations. This new version fixes this bug but also expands the message shown when an incompatible recipe is selected for the run.

In order to enable Recipe checking in the CheckFields object, you need to enter the database field name in the property called "FieldForRecipeCheck". In the example below, the database field name was "Recipe"



Now, when the field check is performed, the system will compare the entry in the recipe field with the currently selected recipe. The report will show the selected recipe as well as show you what each part's acceptable recipes were assigned.

ASC 30x75 Autoclave - Part Field Check

Date:Tuesday, February 23, 2016
Time:11:34:13 AM
Load Number:Autoclave.Variables.LoadNumberValue
Equipment:AC1
Operator:Autoclave.Variables.OperatorNameValue

PART & TOOL INFORMATION				ATTACHMENT INFORMATION		
#	WITH	FIELD NAME	FIELD VALUE	PartTC	Probe	SRC
1	NA	Part # Part Name Serial # Job# Task Code	Part #1	PTC1		
2	NA	Part # Part Name Serial # Job# Task Code	Part #3	PTC2		

SELECTED RECIPE: Recipes\RateRecipe

← Shows what recipe is currently selected

PART FIELD CHECKS		
PART INDEX	FIELD NAME	REASON FOR FAILURE
1	Recipe	This part can't run with the selected recipe Acceptable recipes: Recipes\RateRecipe2
2	Recipe	This part can't run with the selected recipe Acceptable recipes: Recipes\BoeingAustralia,Recipes\RateRecipe2

PART ENTRY CHECK - FAIL

New QuantityOfParts check

Added a new "QuantityOfParts" property and check that validates the number of parts run in the cycle.

Usage examples:

- Blank** – No check is performed
- 2** – At least 2 or more parts must be entered
- >1** – At least 2 or more parts must be entered
- =5** – Exactly 5 parts must be entered
- <11** – No more than 10 parts are allowed

Here's the report result for a setting of "=5" when there are only 3 parts entered.

PART FIELD CHECKS		
PART INDEX	FIELD NAME	REASON FOR FAILURE
N/A	Part Qty	3 parts are entered, but exactly 5 are required.
PART ENTRY CHECK - FAIL		