



## For the Integrity Testing of Final Membrane Filters in the F&B Market

The Palltronic Compact Touch Integrity Test Device is the next generation of pressure decay integrity test device, designed specifically for Food & Beverage producers.

As a key part of the Food & Beverage manufacturer's HACCP program, the performance of microbial controls, such as final membrane filters, should be monitored. Integrity testing provides assurance of filter performance in the customer's process, through a non-destructive test which is directly correlated to the ability of a filter to retain specific microorganisms. Integrity testing therefore helps manufacturers avoid costly issues such as product contamination, product losses, reprocessing and production delays, as well as satisfying auditor requirements.

The Compact Touch integrity test device is fully portable, powered by battery or mains electricity, with a color touchscreen and multiple language options, making the integrity test process easier than ever before. With new auto purge and auto stabilization functions, together with the auto test function, the Compact Touch integrity test device reduces total preparation and test time, whilst optimizing test security, decreasing the risk of false results.

# Palltronic® Compact Touch Integrity Test Device

*Protect Your Product. Protect Your Brand.*



Compact Touch Integrity Test Device CT001

Assurance of filter performance through integrity testing

**Reduced Risk of Product Contamination, Losses and Recalls**

Automatic stabilization, test and purge function

**Optimized Test Speed and Security**

Touch screen interface Improved design

**Ease of Use and Improved Operator Efficiency**



## CE Declaration

The Pall Compact Touch integrity test device is compliant to:

- European Directive 2014/30/EU (formerly 2004/108/EC) Electromagnetic Compatibility
- European Directive 2014/95/EU (formerly 2006/95/EC) Low Voltage Safety
- European Directive 2011/65/EU Restriction of Hazardous Substances (RoHS2)
- European Directive 2012/19/EU Waste Electrical and Electronic Equipment (WEEE)

## Features & Benefits

Feature	Benefit
Auto Purge	Lower oxygen pickup, quicker draining & total testing time
Auto Stabilization	Optimized stabilization time without sacrificing security
Auto Test	Optimized test time without sacrificing security
Touch Screen	Improved ease of use with minimal operator training
Pall Integrity Test Parameter Qualification	Reduced risk of false pass results through high technical standards used in qualification
IP54 Rating	Prevents ingress of water splashes from all angles and limits dust ingress, whilst IP53 units are only protected from water splashes up to 60° from vertical
Up to 1,000 Results Stored on Unit	Backup of results immediately post-test
Ethernet and USB Results Transfer	Supporting the move to electronic records, easy backup and printing of results on customer systems
Optional Printer Accessory	Results records in hard copies, only when required
Available in 10 Languages	Easier operation for English, German, French, Italian, Spanish, Russian, Chinese, Japanese, Portuguese & Brazilian Portuguese speaking operators
Historic Result Trending and Analysis	Analyse results to support analysis and problem solving
Vent Valve as Part of Test Set-up	Prevents unit damage due to water ingress in the absence of a vent valve during depressurization
Fast Charging	Charge to full battery life in under 3 hours
Carry Case, Battery or Mains Operation	Portable and can be used throughout the plant, even where mains power is not available
Improved Service Package	Cost feasible calibration and preventative maintenance to ensure optimal ongoing operation



## Compact Touch Integrity Test Device 3-Year Service Package

*Ensuring the ongoing consistency, functionality and accuracy of your integrity test device*

**Part Number: CT001-3YRSERVPACK**



**ANNUAL  
CALIBRATION**



**TRI-YEARLY  
PREVENTATIVE  
MAINTENANCE**

## Ordering Information

Part Number	Description
CT001	Compact Touch Integrity Test Device
CT001-USBPRTA	USB Thermal Printer
CT001-PRTPAPER	BPA-Free Thermal Printer Paper
CT001-EXTPWR	External Power Supply (including EU, UK, US, AU adaptors)
CT001-INTUBING	Red Pneumatic Tubing (2m) with Stäubli* fittings (connects air supply to Compact Touch)
CT001-OUTTUBING	Blue Pneumatic Tubing (3m) with Stäubli fittings and vent valve (connects Compact Touch to test housing)
CT001-CCT	Tubing Carry Case
CT001-3YRSERVPACK	3 Year Service Package

## Technical Specifications

Test Method	Pressure Decay
Display	Color Touch Screen – diagonal 17.5 cm (6.8 in.), 800 x 480 pixels
Weight	Unit without casing – 4.5 Kg
Physical Dimensions	285 (w) x 171 (h) x 173 (d) mm
Test Program Storage	Up to 100 programs
Test Result Storage	Up to 1,000 tests
Languages	Display and Input – English, German, French, Spanish, Italian, Portuguese Display only – Chinese, Japanese, Russian
Measuring Range	50 – 6,000 mbarg (0.73 – 87 psi)
Measurement Accuracy	± 0.5% of full scale
Resolution	1 mbar (0.0145 psi)
Electrical Supply	Voltage: Automatically adjusted between 100 – 240 V AC Input Frequency: 50 Hz / 60 Hz Charging Power: 90 W External Vent Valve: 24 V DC Battery: 14.8 V, 5.2 Ah Recharging time: 3 hrs maximum Battery autonomy: 1-day ca. 6-8 tests Exchangeable main plug system (EURO; UK, USA/Japan, Australia, rest of the world)
Communication Ports	USB ports Ethernet port (RJ45) CAN Bus Profi Bus (remote capability available on request)
Pneumatic Specifications	Maximum Gas Supply Pressure: 8,000 mbar (116 psi) Minimum Gas Supply Pressure: 1,000 mbar (14.5 psi) above test pressure Test Pressure Range: 50 – 6,500 mbar (0.7 – 94.2 psi)
Pneumatic Connections	Compressed Air Inlet: Male Stäubli Nipple RBE03.6150 Compressed Air Outlet: Female Stäubli Coupling RBE03.2904 Vent: Hose connection 8 mm outer diameter
Optional Printer Accessory	USB Printer with mains charger (fits in Compact Touch carry case)
Operation and Storage Conditions	Operating Temperature: 3 °C to +50 °C (+37 °F to +122 °F) Storage Temperature: -20 °C to +70 °C (-4 °F to +158 °F) Humidity: < 95% rh (no condensation)
IP Rating	IP54



### Pall Food and Beverage

New York – USA  
+1 516 484 3600 telephone  
+1 866 905 7255 toll free

foodandbeverage@pall.com




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