

Airless Compact 1610

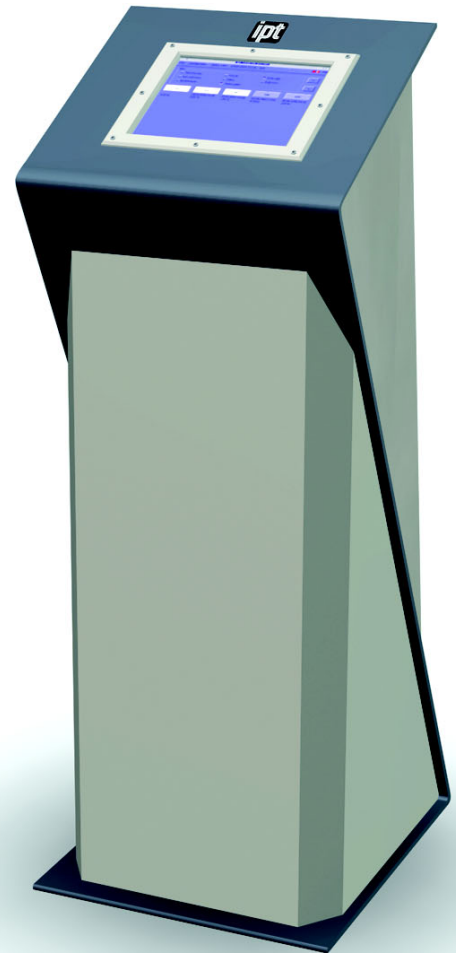
with up to 5 pressure stations ranging between 2 and 60 bar



Designed for pressure testing and quality assurance of:

- Piping and floor heating systems
- Sanitary installations and fittings
- Irrigation systems and accessories
- Tubing for car industry
- Medical disposable items

IptData



- Operator-friendly introduction into precise pressure testing
- Touch screen with large display
- Simple operation
- Clear overview on all entries, functions, test details and results
- Automatic failure control
- Optional temperature controller for maximum 10 baths/ovens
- Small, light, transportable and therefore can be used where it is needed at the time
- Electrical socket and water tap are sufficient and off you go



Airless-Compact: The smallest among the high-tech equipment

This provides: high precision of pressure regulation and wide operative pressure range

The revolutionary pressure adjustment system operates with an accuracy of 0.3 % from set pressure. Several pressure gauges are available to suit your different test requirements, from 10, 25, 40 up to 60 bar.

This allows: simple and convenient operating

We thought about everything, no matter if you need a conditioning time or to end the test after a certain time-elapsing or just a signal at a preset time and resumption until bursting point, establish triggering parameters of the burst detection on "difficult" materials, or easy calibration and the "chart-recorder" function of the display screen etc. - it's all there.

This means: state-of-the-art design, engineering and technology

The electronics are separated from water components by an intermediate panel; the unit is easy to access for servicing.

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Operating and monitoring

Operating console

This is where all test parameters are punched in directly on the display. Just a light touch on the "enter" field and the setting keyboards appears on the screen – digital for counters or alphanumeric. Every parameter set includes, apart from test pressure and duration, description of the test sample, settings of conditioning time, failure detection time and test tank status. You can start and end the test by pressing the corresponding keys; after failure you can select the type identified.

File Conn. summary (18.10.2001 13:26) Prev Next Help

Connection 002 (max. pressure: 40.00 bar) Led

act. pressure: 8.2975 bar Exit

Pressure settings

Set pressure: 10 bar Pressure ramps

min. Pressure: 2 % 3.80 bar

max. Pressure: 1 % 10.10 bar

Detection time: 10 sec

Stop-Options

Duration: 0 ih

End Message no Ende

Failure detection

Decrease: 5.0 %

Locktime: 10 sec

Intervall: 2.0 ih

Burst type

Ductile Brittle

other Success

Customer: IPT
Color: black
Material: PE

Status: Running

Test-Id: 000000000

Timecounter (Start): 0.00 ih Timectr -> 0

Timer reading: 70.47 ih

Start date: 15.10.2001 14:57:00

Ende date: -> 15.10.2001 15:03

Conditioning time: 0.0 ih

Bath/Ofen: 34-T1 -> 50.00 °C

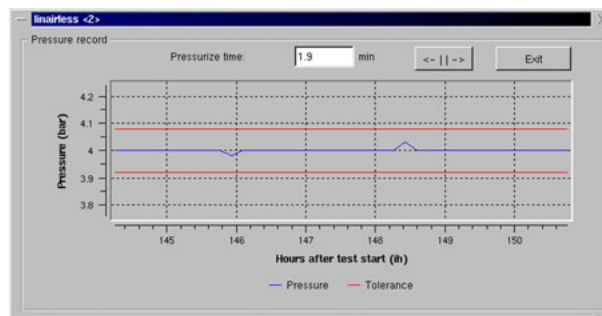
Recording intervall: 2 min

Print Fill Messages Save

Pressure record Query param. Export Start Stop Reset

Pressure curve

The complete test can be displayed as a pressure curve and stored as such.



Status

You will get an overview on all devices and test status at glance, and determine which values are to be visible, such as the colours of the bar chart. A touch on a signal bar will switch the console to the control panel.

File Conn. summary (18.10.2001 13:23) Prev Next Help

	001	002	003	004	005
Test-Id:	2001100003	0000000000	0000000000	0000000000	0000000000
Status:	Off	Running	Running	Off	Running
Set pressure:	10.00 bar	10.00 bar	1.00 bar	1.00 bar	1.00 bar
Start date:	16.08.2001 09:55	15.10.2001 14:57	31.07.2001 16:13	-	31.07.2001 16:13
Ende date:	-	-> 15.10.2001 15:03	-> 01.08.2001 07:39	-	-> 01.08.2001 07:39
Timecounter (Start):	7.06 ih	0.00 ih	104.18 ih	0.00 ih	120.29 ih
Timer reading:	1.20 ih	70.45 ih	1997.29 ih	0.00 ih	2013.46 ih
Bath/Ofen:	-	tmp-ctr1 (40.10 °C)	-	-	-
Temperature:	30.00 °C	50.00 °C	0.00 °C	0.00 °C	0.00 °C

Info selection Failure det. off

Messages

They signal discrepancies from the selected test parameters and inform about disturbances, malfunctions and pending maintenance or servicing operations.

Messages

Delete Exit

Date start Date end Info

Basic settings & maintenance

Control panel

All basic settings are user-defined, no matter if language selection, station numbering, device extended capacity or default settings, everything is within reach and can be adjusted with one touch.

The screenshot shows a software interface with the following sections:

- Device settings:** Language (english), first Stationnumber (1), Controller (1), Default no. connections (1), Pressure unit (bar), Default Pressure boarder (40), No. temp. controller (1).
- Controller settings 0:** Navigation buttons, No. Stations (5), GoOn time (300 sec), Synchronisation checkbox, No. Stations (05), Led pannels (3).
- Station settings 1:** Navigation buttons, max. pressure (25), No. Connections (1), No. Connections (01 01.01.01.01), Maintenance button, Write changes button.

Display selection

In the start menu, you can display all or just some of the test information; it will be entirely up to you what you want to see and in which sequence.

The 'Info selection' dialog box contains the following elements:

- Buttons for: Set pressure ->, act. pressure ->, max. pressure ->, Test-Id ->, Status ->, Start date ->, Ende date ->, Timer reading ->, Timecounter (Start) ->, Duration ->, Bath/Ofen ->, Temperature ->.
- Buttons: OK, Exit, Remove.
- Checkbox: view legend.
- Info selection list: Test-Id, Status, Set pressure, Start date, Ende date, Timecounter (Start), Timer reading, Bath/Ofen, Temperature.

**Operating languages:
German, English,
other languages through
translation program**

Maintenance

You or our service staff will have access to the "core" of the machine through the maintenance settings menu, as well as to the calibration device; therefore connect the control device to the pressure output and press "recalc".

The 'Maintenance Station settings 1' dialog box contains the following elements:

- Buttons: Exit, Recalculate, Reset, Write changes.
- Settings:
 - 001 (Off) - Reset timecounter? 1.20 ih
 - Reset controller time? 0 ih
 - GoOn time: 300 sec
 - act. pressure: 4.00 bar
 - Pressure on calibration device: bar
 - Offset: 0.00 bar

Operating system: Embedded LINUX

- Enter descriptions, call up parameters, administrate test results.
- Store and display test results, large memory installed
- 100% reset of the industrial PC after power cut

SPECIFICATIONS

Airless Compact 1610



Stations	1 to 5
Pressure range	Up to 60 bar
Pressure adjustment	Self-optimized
Pressure converter	10, 16, 25, 40 and 60 bar available-class 0.5
Pressure gauge accuracy on main unit	0.5% of transducer full scale
Pressure adjustment accuracy	usually within recommended operational pressure range: 0.3 % of reference variable pressure
Recommended opera- tional pressure range	between 50 and 100 % of full scale of transduce
Pressure supply	Integrated pressure water supply
Connections	
Electrical	Power 110 - 260 V, 50/60 Hz, abt. 300 VA Construction according to VDE 0100-switchbox protection class IP 55
Water	Outer G 3/4 " or hose 1/2 "
Drain	Outer G 3/4 " or hose 1/2 "
Test sample	Inner G 1/4 " or ND 4 PVDF-hose
Dimensions	1270 x 440 x 660 mm (H x W x D)
Weight	Unit with 5 stations: abt. 120 kg

QUALITY & SERVICE

Quality control	Units are subject to a rigid quality control with check routine and delivered from the factory completely assembled.
Scope of performance	<ul style="list-style-type: none">■ Ready-to-operate installation with acceptance at the client's plant (optional)■ Illustrated and clear manual
Service	<ul style="list-style-type: none">■ Training and instruction■ Maintenance and after-sales service <p>For a complete range of service work please contact the Ipt Service GmbH Tel.: + 49 (0) 82 37 / 966 - 450</p>

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IPT INSTITUT FÜR PRÜFTECHNIK
GERÄTEBAU GmbH & Co.KG

Schulstraße 3 D-86447 Todtenweis
Tel.: + 49 / 82 37 / 9 66 - 0
Fax: + 49 / 82 37 / 9 66 - 480
eMail: IptSales@iptnet.org
<http://www.iptnet.org>

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