



AlcoTrue[®] P

Technical specification

AlcoTrue P – technical specification

- **Principle of measurement** long life electrochemical sensor with high precision intelligent microprocessor sampling system
- **Breath sample** controlled blow volume and time, default 1,2L
- **Measurement modes** Active mode
Fast mode
Passive mode
Mouth alc. mode
Scanning mode
- **Measurement range**

Breath alcohol concentration (BrAC) 0.00 to 2.6 mg/L
(Ethanol mass per breath volume at 34°C and 1013 hPa.)

Blood alcohol concentration (BAC) 0.00 to 5.50 ‰
(Ethanol mass per blood volume resp. mass at 20°C and 1013 hPa)

This data is given using a conversion factor of 2100:1 between breath - and blood alcohol concentrations. Other conversion factors are available upon request.
- **Ambient Conditions**

For operation -5 to 50°C
10 to 100 % R.H. (non-condensed)
600 bis 1400 hPa

For storage -20 to 65°C (-4 to 149°F)
10 to 100 % R.H. (non-condensed)
600 to 1400 hPa
- **Measurement accuracy / Reproducibility with an ethanol standard**

0 to 0.476 mg/L 0.008 mg/L
> 0.476 mg/L to 1mg/L 4 % of measured value
> 1 mg/L 8 % of measured value

0 to 1‰ 0.017 ‰
> 1‰ to 2‰ 4 % of measured value
> 2 ‰ 8% of measured value
- **Sensitivity drift of measured value/month**
Typically 0.5%
- **Ready for operation** After switching on approximately 6 seconds
- **Applied part (Mouthpiece)** Hygienic mouthpiece (Type “S”) with in build non-return valve and water trap
- **Calibration interval** 6 Months with automatically reminder

- **Calibration type**
 - Wet gas (default)
 - Dry gas
 - Flow calibration

- **Result format and unit**
 - digital in green/yellow/red and in mg/L BrAC (default) or in ‰ BAC. Other units/ limits can be selected via authorized services

Configurable units:	<ul style="list-style-type: none"> µg/L µg/100mL % g/100mL mg% P/A/F 	<ul style="list-style-type: none"> g/210L µg% g/L mg/100mL mg/mL P/F
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- **Language**
 - Configurable Multilanguage user menu, English (default)
 - Other available country specific languages e.g German, French, Spanish, Dutch, Italian, Polish, Serbian can be configured by authorised personnel

- **Dimensions**
 - 185mm x 55mm x 40mm

- **Weight**
 - approx. 240 g including 4x 1.5v Alkaline batteries
 - approx. 195 g including Li-ion battery

- **Electrical supply**
 - Internal batteries:
 - 4 x 1.5V Type Alkaline**
(Mignon, LR6, AA)
 - Typ. ≤ 2100 measurements at room temperature (Using Active mode)
 - Operating temperature -20 to 65°C
 - Storage temperature -40 to 65°C
 - or
 - 3.7V, 2200mAh Rechargeable Li-ion type**
 - Typ. ≤ 2100 measurements at room temperature (Using Active mode)
 - Charging temperature 0 to 45°C
 - Operating temperature -20 to 60°C
 - Storage temperature -20 to 60°C

- **Max power consumption of device by Li-ion charging**
 - 600mA, 5V DC

- **Device Interface**
 - USB

- **Hardware test procedure**
 - automatically self-test procedure at device start up

- **Warnings information**
 - acoustic and visual (configurable)
 - Different sound/color indication by negative and positive measurement result

- **Device adjustments** PIN protected service menu access
- **Degree of Protection** IP 43 (IPX3 protection against spraying water acc IEC 60529)
- **Auto Power OFF** After 3 minutes
- **Display** 1,77" colour display
- **Data memory** 35 000 tests results
with date/time, calibration status
- **CE-marking** **2004/108/EC** (EMC electromagnetic compatibility)
- **Standards** **EN15964:2011 - certified**
EN 55011:2007, EN61326:2006
IEC 60068-2-6:2007, IEC 60068-2-27:2008,
IEC 60068-2-64:2008, IEC 68-2-32:1975 +
A1/A2:1980, EN 60529:1991 +A1:2000

Order list

	Order number
Standard Package	4040112012
<ul style="list-style-type: none"> - AlcoTrue® P Device - 25 individually packed mouthpieces (S-Typ) - 4 x AA Alkaline batteries (LR6, MN1500) - Alkaline batteries case - Instructions for use - Carrying case, small 	
Optional	
* Rechargeable Li-ion battery	4040112003
* USB Li-ion battery charger (EU plug)	4040112006
* USB Li-ion battery car adapter	4040112004
* USB cable	1020122057
* Carrying case, large	4040112015
* PC Software including USB data cable	4040112017
* AlcoPrint P Set	4040112007
<ul style="list-style-type: none"> - AlcoPrint P mobile thermal printer - Power supply(EU plug) - AlcoPrint P data cable - Car adapter - Paper roll (1 piece) 	
AlcoTrue® P Accessories	Order number
Mouthpiece, 25 hygienic pieces, individually packed (S-Typ)	4040121001
Rechargeable Li-ion battery, 3.7 VDC, 2200 mAh	4040112003
Li-ion battery charger (EU plug), 5 VDC, 600 mA	4040112006
Alkaline batteries, 4x 1.5v, Mignon, LR6,AA	4040511001
Alkaline batteries case	3040122012
Carrying case, small	4040112005
Instructions for use AlcoTrue P	4040112014
AlcoPrint P Accessories	Order number
- AlcoPrint P Printer	4040112007
- Power supply(EU plug)	4040112009
- Car adapter	3040122004
- AlcoPrint P data cable	3040122011
- Paper roll (5 pieces)	1040122100

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Version: EN

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