

# IPA Measuring Device

## IPA CONTROL EXACT

The hand-held IPA measuring device makes it possible to determine the exact alcohol concentration in the dampening solution quickly, easily and very precisely. Dampening solution samples can be taken at any point in the dampening solution circulation.



Polygraphische innovative  
Technik Leipzig





# IPA Measuring Device

## IPA CONTROL EXACT

### Working Principle

The dampening solution sample is at first heated to between 20 °C and 25 °C in the measuring dish in order to achieve maximum measurement accuracy. Then, a special gas sensor determines the isopropyl alcohol concentration in the evaporated dampening solution based on the principle of gas extraction. Based on this measured value, the IPA concentration is calculated under consideration of calibration formulas and sample temperature and is shown on the display. Using this measurement principle, any measurement errors due to impurities in the dampening solution are eliminated. The device is operated with a plug-in power supply.



PITSID develops, produces and sells measuring systems, supported by the Sächsisches Institut für die Druckindustrie. The measuring systems are used for quality control and to increase efficiency during adjustment and maintenance operations.

**PITSID Polygraphische innovative  
Technik Leipzig GmbH**  
D-04329 Leipzig  
Mommsenstrasse 2  
Tel +49 341 25942-0  
Fax +49 341 25942-99  
info@pitsidleipzig.com  
[www.pitsidleipzig.com](http://www.pitsidleipzig.com)

### Technical Data

#### Measurement principle of the gas sensor

Heat tone (catalytic)

---

#### Measurement range

0.0 to 8.0 vol% IPA

---

#### Dampening solution temperature

+5 to +25 °C

---

#### Dampening solution sample amount

25 ml

---

#### Operating temperature

+15 to +30 °C

---

#### Resolution of the measured value

0.1 vol% IPA

---

#### Measurement uncertainty (with water/IPA mix)

$\leq \pm 0.3$  vol% IPA

---

#### Measurement time

60 s plus heating time (depends on dampening solution temperature)

---

#### Power Supply

Electrical operation using included plug-in power supply

---

#### Dimensions

Hand-held device: 255 x 100 x 64 mm

Measuring dish: 122 x 68 x 19 mm

---

#### Weight

Hand-held device: 0.50 kg

Measuring dish: 0.15 kg

---

#### Scope of delivery

Hand-held measuring device, heatable measuring dish, tool to take dampening solution samples, plug-in power supply, carrying case, operating manual