



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## Fluke 971 Temperature Humidity Meter

### Technical Data



Quickly take accurate humidity and temperature readings in the air. Temperature and humidity are two important factors in maintaining optimal comfort levels and good indoor air quality. The Fluke 971 is invaluable for facility maintenance

and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight, rugged, and easy to hold, the Fluke 971 is the perfect tool for monitoring problem areas.

#### The Fluke 971 has:

- Backlit dual display of humidity and temperature
- 99 record storage capacity
- Ergonomic design with belt clip and protective holster
- Quick-response capacitance sensor with protective cover

#### General Features

- Compact and lightweight (190 g/6.7 oz)
- Temperature range from -20 °C to 60 °C (-4 °F to 140 °F)
- Measures dew point and wet bulb
- Relative humidity from 5 % to 95 %
- Min/Max/Avg data hold
- Low battery indicator

#### Specifications

<b>Temperature range</b>	-20 °C to 60 °C (-4 °F to 140 °F)
<b>Temperature accuracy</b>	
0 °C to 45 °C	± 0.5 °C
-20 °C to 0 °C and 45 °C to 60 °C	± 1.0 °C
32 °F to 113 °F	± 1.0 °F
-4 °F to 32 °F and 113 °F to 140 °F	± 2.0 °F
<b>Resolution</b>	0.1 °C / 0.1 °F
<b>Temperature update rate</b>	500 ms
<b>Temperature sensor type</b>	NTC
<b>Relative humidity range</b>	5 % to 95 % R.H.
<b>Relative humidity accuracy</b>	
10 % to 90 % R.H. @ 23 °C (73.4 °F)	± 2.5 % R.H.
<10 %, > 90 % R.H. @ 23 °C (73.4 °F)	± 5.0 % R.H.
<b>Resolution</b>	0.1 % R.H.
<b>Response time (humidity)</b>	For 90 % of total range - 60 sec. with 1 m/s air movement
<b>Humidity sensor</b>	Electronic capacitance polymer film sensor
<b>Data storage</b>	99 points

**Specifications** cont.

<b>Operating temperature</b>	
Temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Humidity	0 °C to 55 °C (32 °F to 131 °F)
<b>Storage temperature</b>	-20 °C to 60 °C (-4 °F to 140 °F) at < 80 % R.H. (with battery removed)
<b>Weight</b>	190 g (6.7 oz)
<b>Dimensions (HxWxD)</b>	194 mm x 60 mm x 34 mm (7.6 in x 2.4 in x 1.3 in)
<b>Battery type</b>	4 AAA alkaline batteries
<b>Battery life</b>	200 Hours
<b>Safety approval</b>	Electromagnetic compatibility: Complies with EN 61326-1
<b>Warranty</b>	12 months

\* Humidity sensor hysteresis (excursion of 10 % to 90 % to 10 % R.H.): ± 1 % R.H. with 1 m/s air movement  
 \* Temperature coefficient: 0.1 times the applicable accuracy specification per °C from 0 °C to 18 °C and 28 °C to 50 °C (32 °F to 64 °F and 83 °F to 122 °F)

**Other IAQ Tools from Fluke**

**Fluke 983 Particle Counter**

- Simultaneous display of six size channels on a bright, backlit LCD
- 5000 sample record capacity
- Logged samples include date, time, particle counts, sample volume, temperature and relative humidity
- Rechargeable NiMH battery providing up to 8 hours continuous operation
- Selectable sample time, count data, programmable delay
- Built-in relative humidity and temperature sensors



**CO-220 Carbon Monoxide Meter**

- Standalone CO meter that does not require a digital multimeter
- Large backlit LCD displays CO levels from 0 to 999 ppm.
- Beeper triggers with increasing frequency as CO levels rise.
- MAX hold function stores and displays the maximum CO level.
- Automatic sensor zeroing and self-test upon startup.



**CO-205 Aspirator Kit**

The CO-205 flue gas sampling accessory kit contains all the components necessary to provide a clean sample for the Fluke family of gas measuring devices. The CO-205 accessory kit includes:



- Stainless steel sampling tube
- Industrial-grade hand operated aspirator to draw flue sample
- Easily replaceable particulate filter
- Specially designed nose cap for connection to the Fluke CO-220.

**Fluke.** *Keeping your world up and running.*®

**Fluke Corporation**  
 PO Box 9090, Everett, WA 98206 U.S.A.

**Fluke Europe B.V.**  
 PO Box 1186, 5602 BD Eindhoven, The Netherlands

**For more information call:**  
 In the U.S.A. (800) 443-5853 or Fax (425) 446-5116  
 In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222  
 In Canada (800)-36-FLUKE or Fax (905) 890-6866  
 From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116  
 Web access: <http://www.fluke.com>

©2005-2011 Fluke Corporation.  
 Specifications subject to change without notice.  
 Printed in U.S.A. 10/2011 2457037D D-EN-N

**Modification of this document is not permitted without written permission from Fluke Corporation.**

**Ordering Information**

- Fluke-971** Temperature Humidity Meter
- Fluke-983** Particle Counter
- Fluke-CO-205** Aspirator Kit
- Fluke-CO-220** Carbon Monoxide Meter