

# Mechanical Climate Measuring Devices



Temperature  
Relative Humidity  
Air Pressure

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# Lufft



Measurement

# Temperature/Humidity Indicator



Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>5048.00</b>
		Flange diameter 150mm	
		Housing depth 37mm	
	Design	Chrome-plated brass housing	
	Scale	Blue (r.h.), Red (temp.)	
<b>Relative Humidity</b>	Weight	320g	
	Principle	Durotherm	
	Measuring range	0...100% r.h.	
	Accuracy	±2.5% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-10...50°C	
	Accuracy	±1°C (0...40°C), + 1 division of scale	
	Resolution	1°C	



Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	
		Flange diameter 150mm	
		Housing depth 37mm	
	Design	Chrome-plated brass housing	
	Scale	Blue (r.h.), Red (Temp.)	
<b>Relative Humidity</b>	Weight	320g	
	Principle	<b>Haar</b>	
		<b>Durotherm</b>	
	Measuring range	0...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
<b>Temperature</b>	Resolution	1% r.h.	
	Principle	Bimetal	
	Measuring range	-10...50°C	
	Accuracy	±1°C (0...40°C), + 1 division of scale	
	Resolution	1°C	



Thermo-/Hygrometer Stainless steel			Order-No.
<b>Technical Data</b>	Dimensions	Scale 115mm	<b>5251.0561</b>
		Housing depth 33mm	
		Design	
<b>Relative Humidity</b>	Weight	320g	
	Principle	Durotherm	
	Measuring range	20...90% r.h.	
	Accuracy	±3% (30...90%) r.h., + 1 division of scale	
	Resolution	1% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	0...50°C	
	Accuracy	±1°C (0...40°C), + 1 division of scale	
	Resolution	1°C	



Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 115mm	<b>5260.00</b>
		Housing depth 35mm	
		Design	
<b>Relative Humidity</b>	Weight	200g	
	Principle	Durotherm	
	Measuring range	0...90% r.h.	
	Accuracy	±3% (30...90%) r.h., + 1 division of scale	
	Resolution	1% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	0...50°C	
	Accuracy	±1°C (0...40°C), + 1 division of scale	
	Resolution	1°C	

# Temperature/Humidity Indicator

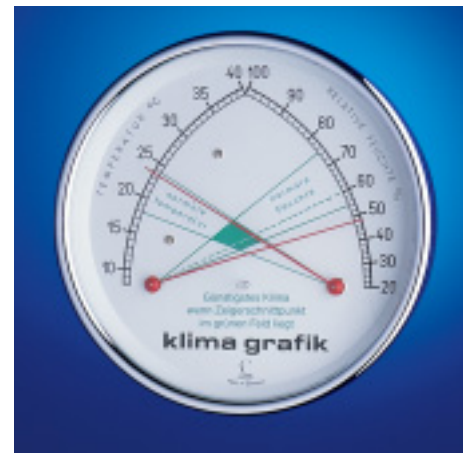


Measurement

Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>5023.00</b>
		Flange diameter 150mm	
		Housing depth 37mm	
Design	Chrome-plated brass housing		
	Weight	320g	
<b>Relative Humidity</b>	Principle	Durotherm	
	Measuring range	20...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
	Resolution	2% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-10...40°C	
	Accuracy	±1.5°C (0...40°C), + 1 division of scale	
	Resolution	2°C	
<b>Saturation Humidity</b>	Measuring range	2...50g/m³	



Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>5041.00</b>
		Flange diameter 150mm	
		Housing depth 37mm	
Design	Chrome-plated brass housing		
	Weight	320g	
<b>Relative Humidity</b>	Principle	Durotherm	
	Measuring range	20...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
	Resolution	2% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	8...40°C	
	Accuracy	±1.5°C, + 1 division of scale	
	Resolution	2°C	



Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>5028.00</b>
		Flange diameter 150mm	
		Housing depth 37mm	
Design	Chrome-plated brass housing		
	Weight	320g	
<b>Relative Humidity</b>	Principle	Durotherm	
	Measuring range	10...100% r.h.	
	Accuracy	±2.5% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	
<b>Dew point</b>	Measuring range	0 ... 60 °C	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	0...60°C	
	Accuracy	±1°C (10...50°C), + 1 division of scale	
	Resolution	1°C	



Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 115mm, Ø 150mm	<b>5098.00</b>
	Design	Grey-painted steel stand, grey plastic front ring, red pointer, adjustable for outdoor humidity measurements	
		Weight	
<b>Relative Humidity</b>	Principle	Durotherm	
	Measuring range	0...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-10...50°C	
	Accuracy	±1°C (0...40°C), + 1 division of scale	
	Resolution	1°C	



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Measurement

# Temperature Indicator



Thermometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>3014.741</b>
		Flange diameter 150mm	
		Housing depth 37mm	
Design	Chrome-plated brass housing		
Weight	320g		
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-22 ... 55°C	
	Accuracy	±1°C, + 1 division of scale	
	Resolution	1°C	



Thermometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 115mm	<b>3251.0561</b>
		Housing depth 33mm	
		Design	
Weight	300g		
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-22...55°C	
	Accuracy	±1°C, + 1 division of scale	
	Resolution	1°C	



Thermometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 125mm	<b>3260.00</b>
		Housing depth 35mm	
		Design	
Weight	200g		
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-40...40°C	
	Accuracy	±1°C, + 1 division of scale	
	Resolution	1°C	



Thermometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 150mm	<b>3229.00</b>
		Housing depth 23mm	
		Design	
Weight	240g		
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	-25...55°C	
	Accuracy	±1°C, + 1 division of scale	
	Resolution	1°C	
<b>Accessories</b>	Stand		<b>3229.S</b>

# Humidity Indicator



Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>4007.99</b>
		Flange diameter 150mm	
		Housing depth 37mm	
	Design	Chrome-plated brass housing	
<b>Relative Humidity</b>	Weight	320g	
	Principle	Durotherm	
	Measuring range	0...100% r.h.	
	Accuracy	±4% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	



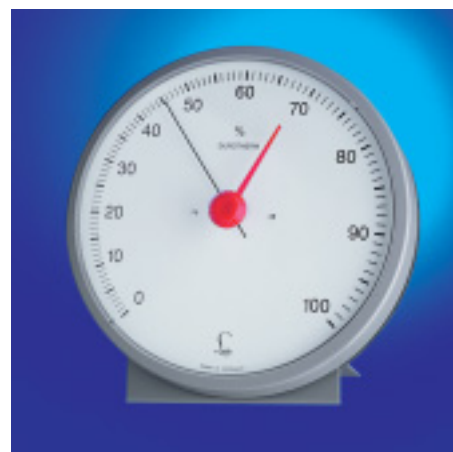
Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 115mm	<b>4251.0561</b>
		Housing depth 33mm	
	Design	Chrome-plated brass housing	
<b>Relative Humidity</b>	Weight	110g	
	Principle	Durotherm	
	Measuring range	0...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	



Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 125mm	<b>4260.99</b>
	Design	Plastic housing	
	Weight	250g	
<b>Relative Humidity</b>	Principle	Durotherm	
	Measuring range	0...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	



Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 150mm	<b>4082.00</b>
		Housing depth 23mm	
	Design	Grey-painted steel stand, grey plastic front ring	
<b>Relative Humidity</b>	Weight	250g	
	Principle	Durotherm	
	Measuring range	0...100% r.h.	
	Accuracy	±3% (30...95%) r.h., + 1 division of scale	
	Resolution	1% r.h.	





Measurement

# Temperature/Humidity Indicators for Sauna Applications



Sauna Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>5094.00</b>
		Flange diameter 150mm	
		Housing depth 37mm	
	Design	Chrome-plated brass housing	
	Weight	320g	
	<b>Relative Humidity</b>	Principle	Durotherm
	Measuring range	0...75% r.h.	
	Accuracy	±3% (0...60%) r.h., + 1 division of scale	
	Resolution	2% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	0...120°C	
	Accuracy	±1°C, + 1 division of scale	
	Resolution	2°C	



Sauna Thermo-/Hygrometer			Order-No.
<b>Technical Data</b>	Dimensions	Housing diameter 130mm	<b>5030.00</b>
		Flange diameter 150mm	
		Housing depth 37mm	
	Design	Chrome-plated brass housing	
	Weight	220g	
	<b>Relative Humidity</b>	Principle	Durotherm
	Measuring range	0...75% r.h.	
	Accuracy	±2% (0...20%) r.h., + 1 division of scale	
	Resolution	2% r.h.	
<b>Temperature</b>	Principle	Bimetal	
	Measuring range	0...120°C	
	Accuracy	±1°C, + 1 division of scale	
	Resolution	2°C	



Thermometer			Order-No.
<b>Technical Data</b>	Dimensions	Scale 125mm	<b>3270.00</b>
		Housing depth 35mm	
		Design	
	Weight	200g	
	<b>Temperature</b>	Principle	Bimetal
	Measuring range	0...120°C	
	Accuracy	±1.7% of measured value, + 1 division of scale	
	Resolution	1°C	



Klimamesser			Order-No.	
<b>Technical Data</b>	Dimensions	Skala 125mm, Gehäusehöhe 35mm	<b>5270.00</b>	
		Design		Gehäuse Kunststoff, anthrazit
		Weight		200g
<b>Relative Humidity</b>	Principle	Durotherm		
	Measuring range	0 ... 75% r.F.		
	Accuracy	±3% (0...20%) r.F., + 1 Skalenteilung		
	Resolution	2% r.F.		
<b>Temperature</b>	Principle	Bimetall		
	Measuring range	0 ... 120°C		
	Accuracy	±1°C, + 1 Skalenteilung		
	Resolution	2°C		

# Precision Barometer



Measurement

Precision Barometer 870-1050 hPa Stationary and Portable			Order-No.
<b>Technical Data</b>	Dimensions	Scale 130mm	<b>2187.70692</b>
		Flange 160mm	
		Housing depth 80mm	
	Design	Chrome-plated brass housing and flange bracket	
	Weight	1,040g	
	Further measuring ranges	Available on request	
<b>Relative Humidity</b>	Max. altitude	0...900m	
	Principle	pre-aged copper-beryllium chamber	
	Measuring range	870...1,050hPa	
	Accuracy	±1.5% of measuring range	
	Resolution	0.5hPa	



G. LUFFT Mess- und Regeltechnik has been dealing with the production of climatological measuring equipment since its foundation by Gotthilf Lufft in 1881.

The precision workmanship of highly skilled specialists has enabled the LUFFT label to be known and the products to be purchased worldwide. The LUFFT products and equipment are to be found wherever atmospheric pressure, temperature, relative humidity and other environmental factors require to be measured or recorded.


To keep in pace with the market and the modern technologies, electronic devices have been developed parallel to the mechanical products according to the basic principle „Tradition and Innovation“.




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*Storage and Transfer*



*Representation and Evaluation*



*Qualification and Calibration*



*Alarm*

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