

Calibration options	
DKD/ DAkkS	Calibrations in the laboratory, accredited by the DAkkS according to DIN EN ISO/IEC 17025. The accreditation is valid for the methods listed in the certificate.
ISO	Calibrations in consideration of the certification according to DIN EN ISO 9001.
All prices additionally shipping costs and possible repair work and as found calibration before repairing.	

Velocity				
Calibration object	Type	Calibration points	Art-No.	Price
Anemometers Pitot tubes Flow sensors Transducers XC400, XA1000 (no WS/Ventus)	DKD/ DAkkS	3 points within 0.1 m/s to 55 m/s every further calibration point	D.5301	204€ 40€
	ISO	1 point within 0.1 m/s to 55 m/s every further calibration point	I.5301	93€ 35€

Temperature				
Calibration object	Type	Calibration points	Art-No.	Price
Hand-held devices Electronic or mechanical thermometers Air sensors Immersion sensors Data loggers Resistance thermometers Thermocouples Transducers Weather stations	DKD/ DAkkS	0°C, 20°C, 40°C	D.1101	126€
		-20°C, 0°C, 40°C	D.1102	133€
		1 point within -40°C to +200°C every further calibration point	D.1301	87€ 33€
	ISO	0°C, 20°C, 40°C	I.1101	92€
		-20°C, 0°C, 40°C	I.1102	97€
		1 point within -40°C to +200°C every further calibration point	I.1301	74€ 30€
Radiation Pyrometer e.g. XC250, E200IR		1 point within -40°C to +200°C every further calibration point	I.1302	63€ 28€

Humidity / Humidity with Temperature / Dew point temperature				
Calibration object	Type	Calibration points	Art-No.	Price
Hand-held devices Data loggers Hygrometer Thermo-hygrometers Hygrographs Thermo-hygrographs Electronic or mechanical humidity measuring instruments Transducers Weather stations	DKD/ DAkkS	20°C and 20%, 50%, 80% at 20°C	D.2101	184€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	D.2102	237€
		1 climate point (humidity+temperature) within 10% to 90% at approx. 22°C every further calibration point (only external plastic sensors, e.g. hand-held d.)	D.2301	84€ 30€
		1 climate point (humidity+temperature) within 5% to 98% at -10°C to +95°C every further humidity point, or further climate point (humidity+temperature) every further temperature point (without humidity) within -40°C to +100°C	D.2302	132€ 48€ 33€
	ISO	20°C and 20%, 50%, 80% at 20°C	I.2101	143€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	I.2102	188€
		1 climate point (humidity+temperature) within 10% to 90% at approx. 22°C every further calibration point (only external plastic sensors, e.g. hand-held d.)	I.2301	63€ 28€
		1 climate point (humidity+temperature) within 5% to 98% at -10°C to +95°C every further humidity point, or further climate point (humidity+temperature) every further temperature point (without humidity) within -40°C to +100°C	I.2302	105€ 42€ 30€
Dew point transmitter pressure dew point measuring instrument (exclude dew point mirror)	DKD/ DAkkS	1 point within -36°C to +95°C every further calibration point	D.3302	185€ 48€
	ISO	1 point within -36°C to +95°C every further calibration point	I.3302	122€ 39€

Humidity / Humidity with Temperature / Dew point temperature				
Calibration object	Type	Calibration points	Art-No.	Price
Dew point mirror Dew point generator	DKD/ DAkKS	1 point within -36°C to $+95^{\circ}\text{C}$ every further calibration point	D.3301	263€ 50€
	ISO	1 point within -36°C to $+95^{\circ}\text{C}$ every further calibration point	I.3301	232€ 45€
Humidity generator Humidity calibrator	DKD/ DAkKS	1 point within 5% to 98% and $+5^{\circ}\text{C}$ to $+95^{\circ}\text{C}$ every further calibration point	D.2310	263€ 50€
	ISO	1 point within 5% to 98% and $+5^{\circ}\text{C}$ to $+95^{\circ}\text{C}$ every further calibration point	I.2310	232€ 45€

Pressure				
Calibration object	Type	Calibration points	Art-No.	Price
Mechanical barometers Hand-held devices Data loggers Transducers Weather stations	DKD/ DAkKS	5 points absolute (DKD-sequence C) up+down within 300 mbar to 1200 mbar measurement uncertainty $\geq 0.3\%$ of span every further calibration point	D.4301	105€ 10€
Hand-held devices Data loggers Transducers Weather stations XA1000, OPUS20		10 points absolute (DKD-sequence B) up+down+up within 300 mbar to 1200 mbar measurement uncertainty $\geq 0.04\%$ of span every further calibration point	D.4302	189€ 15€
Precision pressure Measuring instruments Hand-held devices Data loggers Transducers Weather stations WS3000		10 points absolute (DKD-sequence A) up+down+up+down within 300 mbar to 1200 mbar measurement uncertainty ≥ 0.1 mbar every further calibration point	D.4303	298€ 20€
Absolute pressure Measuring instruments Transducers Weather stations XA1000, OPUS20	ISO	5 points absolute (up+down) within 300 mbar to 1200 mbar every further calibration point	I.4301	90€ 10€
Differential pressure Measuring instruments Transducers C310, C320, C330		5 points relative (up+down) within 0 bar to 5 bar every further calibration point	I.4302	98€ 10€

Calibration certificates for LUFFT instruments				
Calibration object	Type	Calibration points	Art-No.	Price
IRS21 + IRS31 / pro	ISO	complete checking, function test, limit temperature test, new adjustment and calibration of temperature, water film height, salt content	I.0202	650€
ARS31 / pro	ISO	complete checking, function test, limit temperature test, new adjustment and calibration of temperature and freeze temperature	I.0204	650€
OPUS20 TCO CO2-Sensor	DKD/ DAkks/ ÖKD	Calibration of CO2-concentration 1 point within 5 ppm and 300000 ppm every further calibration point	D.0601	288€ 38€ (*1)
Precipitation, tipping bucket (WTB100)	ISO	Calibration of precipitation at 3 intensities	I.0205	189€
MARWIS	ISO	complete checking, function test calibration of pyrometer and water film height	I.0206	500€

Calibration certificates for LUFFT WS-Series																								
Type	Calibration scope	Art-No.	Price	Ventus	V200A	WS200	WS300	WS301	WS302	WS303	WS304	WS400	WS401	WS500	WS501	WS502	WS503	WS504	WS510	WS600	WS601	WS700	WS800	
DKD/ DAkKS	temperature+humidity: 0°C, 20°C, 40°C 20%, 50%, 80% (at 20°C)	D.2102	237€			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	absolute pressure: 10 points within 300 and 1200 mbar	D.4302	189€	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	wind speed: 13 points within 2 m/s and 20 m/s at a single direction (0°)	D.5601	273€ (*1)	X	X	X									X	X	X	X	X	X	X	X	X	X
	wind direction: 0° to 360 at 10 m/s	D.5602	273€ (*1)	X	X	X									X	X	X	X	X	X	X	X	X	X
Type	Calibration scope	Art-No.	Price	Ventus	V200A	WS200	WS300	WS301	WS302	WS303	WS304	WS400	WS401	WS500	WS501	WS502	WS503	WS504	WS510	WS600	WS601	WS700	WS800	
ISO	temperature+humidity: 0°C, 20°C, 40°C 20%, 50%, 80% (at 20°C)	I.2102	188€			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	absolute pressure: 5 points within 300 and 1200 mbar	I.4301	90€	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	wind speed + wind direction: 2, 5, 10, 20, 50 m/s covering 16 directions	I.5101	231€	X	X	X									X	X	X	X	X	X	X	X	X	X
	global radiation: 3 points	I.0201	179€					X	X	X	X					X	X	X	X	X			X	X
	precipitation: (radarsensor) 3 drop size	I.0203	179€										X								X		X	X
	precipitation: (tipping bucket) 3 intensities	I.0205	189€											X								X		
Type	Calibration scope	Art-No.	Price	Ventus	V200A	WS200	WS300	WS301	WS302	WS303	WS304	WS400	WS401	WS500	WS501	WS502	WS503	WS504	WS510	WS600	WS601	WS700	WS800	

Other calibration possibilities on request.

(*1) Price ist not discountable.

Additional Outlays			
		Art-No.	Price
working time	repairs, alignments, as found calibrations	I.0901	1,72€/min (*1)

