

Calibration options	
<b>DKD/ DAkKS</b>	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.
<b>ISO</b>	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)	<b>DKD/ DAkKS</b>	3 points within 0.1 m/s to 55 m/s every further calibration point	D.5301	209€ 40€
	<b>ISO</b>	1 point within 0.1 m/s to 55 m/s every further calibration point	I.5301	95€ 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	<b>DKD/ DAkKS</b>	0°C, 20°C, 40°C	D.1101	129€
		-20°C, 0°C, 40°C	D.1102	136€
		1 point within -40°C to +200°C every further calibration point	D.1301	89€ 33€
	<b>ISO</b>	0°C, 20°C, 40°C	I.1101	94€
		-20°C, 0°C, 40°C	I.1102	99€
		1 point within -40°C to +200°C every further calibration point	I.1301	76€ 30€
Radiation Pyrometer e.g. XC250, E200IR		1 point within -40°C to +200°C every further calibration point	I.1302	65€ 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	<b>DKD/ DAkkS</b>	20°C and 20%, 50%, 80% at 20°C	D.2101	189€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	D.2102	243€
		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	86€ 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	135€ 48€ 33€
	<b>ISO</b>	20°C and 20%, 50%, 80% at 20°C	I.2101	147€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	I.2102	193€
		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	65€ 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	108€ 42€ 30€

Pressure				
Calibration object	Type	Calibration points	Art-No.	Price
Mechanical barometers Hand-held devices Data loggers Transducers Weather stations	<b>DKD/ DAkkS</b>	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	108€     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	194€    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 $\geq 0.1$ mbar every further calibration point	D.4303	305€    20€
Absolute pressure Measuring instruments Transducers Weather stations XA1000, OPUS20	<b>ISO</b>	5 points absolute (up+down) within 300 mbar to 1200 mbar every further calibration point	I.4301	92€   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	100€  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	666€
ARS31 / pro	ISO	complete checking, function test, limit temperature test, new adjustment and calibration of temperature and freeze temperature	I.0204	666€
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	295€ 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	513€

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	
<b>DKD/ DAkKS</b>	temperature+humidity: 0°C, 20°C, 40°C 20%, 50%, 80% (at 20°C)	D.2102	243€				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	194€	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	280€ (*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	280€ (*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	
<b>ISO</b>	temperature+humidity: 0°C, 20°C, 40°C 20%, 50%, 80% (at 20°C)	I.2102	193€				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	92€	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	237€	X	X	X									X	X	X	X	X	X	X	X	X	
	global radiation: 3 points	I.0201	183€						X	X	X	X				X	X	X	X			X	X	
	precipitation: (radarsensor) 3 drop size	I.0203	183€										X								X		X	
	precipitation: (tipping bucket) 3 intensities	I.0205	194€											X								X		

Other calibration possibilities on request.

(\*1) Price ist not discountable.

Additional Outlays			
		Art-No.	Price
working time	repairs, alignments, as found calibrations	1.0901	1,83€/min (*1)

