

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	218€ 42€
	ISO	1 point within 0.1 m/s to 55 m/s every further calibration point	I.5301	99€ 37€

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	135€
		-20°C, 0°C, 40°C	D.1102	142€
		1 point within -40°C to +200°C every further calibration point	D.1301	93€ 35€
	ISO	0°C, 20°C, 40°C	I.1101	98€
		-20°C, 0°C, 40°C	I.1102	103€
		1 point within -40°C to +200°C every further calibration point	I.1301	79€ 32€
Radiation Pyrometer e.g. XC250, E200IR	ISO	1 point within -40°C to +200°C every further calibration point	I.1302	68€ 30€

Humidity / Humidity with 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	198€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	D.2102	254€
		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	90€ 32€
		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	141€ 50€ 35€
	ISO	20°C and 20%, 50%, 80% at 20°C	I.2101	154€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	I.2102	202€
		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	68€ 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	I.2302	113€ 44€ 32€

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	113€ 11€
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	203€ 16€
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	319€ 21€
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	96€ 11€
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	105€ 11€

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	696€
ARS31 / pro	ISO	complete checking, function test, limit temperature test, new adjustment and calibration of temperature and freeze temperature	I.0204	696€
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	308€ 40€ (*1)
Precipitation, tipping bucket (WTB100)	ISO	Calibration of precipitation at 3 intensities	I.0205	203€
MARWIS	ISO	complete checking, function test calibration of pyrometer and water film height	I.0206	536€

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	254€				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	203€	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	293€ (*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	293€ (*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	202€				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	96€	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	248€	X	X	X									X	X	X	X	X	X	X	X	X	X
	global radiation: 3 points	I.0201	191€						X	X	X	X				X	X	X	X	X			X	X
	precipitation: (radarsensor) 3 drop size	I.0203	191€										X								X		X	X
	precipitation: (tipping bucket) 3 intensities	I.0205	203€											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	1,91€/min (*1)

