

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	226€ 43€
	ISO	1 point within 0.1 m/s to 55 m/s every further calibration point	I.5301	102€ 38€

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	140€
		-20°C, 0°C, 40°C	D.1102	147€
		1 point within -40°C to +200°C every further calibration point	D.1301	96€ 36€
	ISO	0°C, 20°C, 40°C	I.1101	101€
		-20°C, 0°C, 40°C	I.1102	107€
		1 point within -40°C to +200°C every further calibration point	I.1301	82€ 33€
Radiation Pyrometer e.g. XC250, E200IR	ISO	1 point within -10°C to +50°C every further calibration point	I.1302	70€ 31€

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	205€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	D.2102	263€
		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	93€ 33€
		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	146€ 52€ 36€
	ISO	20°C and 20%, 50%, 80% at 20°C	I.2101	159€
		0°C, 20°C, 40°C and 20%, 50%, 80% at 20°C	I.2102	209€
		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	70€ 31€
		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	117€ 46€ 33€

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	117€ 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	210€ 17€
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	330€ 22€
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	99€ 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	109€ 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	720€
ARS31 / pro	ISO	complete checking, function test, limit temperature test, new adjustment and calibration of temperature and freeze temperature	I.0204	720€
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	319€ 41€ (*1)
Precipitation, tipping bucket (WTB100)	ISO	Calibration of precipitation at 3 intensities	I.0205	210€
MARWIS	ISO	complete checking, function test calibration of pyrometer and water film height	I.0206	555€

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	263€				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	210€	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	483€ (*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	209€				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	99€	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	257€	X	X	X									X	X	X	X	X	X	X	X	X	X
	global radiation: 3 points	I.0201	198€						X	X	X	X				X	X	X	X	X			X	X
	precipitation: (radarsensor) 3 drop size	I.0203	198€										X								X		X	X
	precipitation: (tipping bucket) 3 intensities	I.0205	210€											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			
working time	repairs, alignments, as found calibrations	Art-No.	Price
		I.0901	1,98€/min (*1)

