

Measurement site	Parameter	Height	Device
Pflanzgarten	Precipitation	1 m	OMC 212, Adolf Thies GmbH & Co. KG
	Pressure	2 m	AB 60, Ammonit Gesellschaft für Messtechnik mbH
Weidenbrunnen, main tower (MT)	Wind vector and sonic temperature (20 Hz)	32.5 m	USA-1, METEK GmbH
	Humidity (20 Hz)	32 m	LI-7000 ^b , LI-COR Biosciences
	Temperature and relative humidity	31 m	Frankenberger ventilated psychrometer, Theodor Friedrichs & Co
	Wind velocity	31 m	Cup anemometer, Theodor Friedrichs & Co
	Upwelling and downwelling shortwave radiation	29.5 m	CM 14, Kipp & Zonen
	Upwelling and downwelling longwave radiation	29.5 m	CG 2, Kipp & Zonen
	Soil heat flux and temperature profile	−0.08 m	HFT, Campbell Sci. Inc.
Weidenbrunnen, turbulence tower (TT)	CO ₂ concentration (20 Hz)	36 m	LI-7500 ^c , LI-COR Biosciences
	Wind vector (20 Hz)	36 m	USA-1, METEK
Köhlerloh, turbulence mast (TM)	Wind vector and sonic temperature (20 Hz)	2.25 m/5.5 m	CSAT3, Campbell Sci. Inc.
	Humidity (20 Hz)	2.25 m/5.5 m	LI-7000 ^b /LI-7500 ^c , LI-COR Biosciences ^a
	CO ₂ concentration (20 Hz)	2.25 m/5.5 m	LI-7000 ^b /LI-7500 ^c , LI-COR Biosciences ^a
	Upwelling and downwelling shortwave radiation	2.0 m	CNR4, Kipp & Zonen
	Upwelling and downwelling longwave radiation	2.0 m	CNR4, Kipp & Zonen
	Soil heat flux and temperature profile	−0.15 m	HP3, Rimco