










DATA ACQUISITION AND DTP

- Data acquisition interval: 1 minute
- Data transfer interval (refresh): 5 minutes
- Data transfer module: GPRS (micro data SIM)
- Data consumption: approx. 0.45 Gb/month

POWER SUPPLY

- 12V / 10W solar panel
- Sealed 12V / 7.2 Ah lead acid rechargeable battery

	Parameters	Range	Accuracy
	AIR Temperature	-40 - 50 °C	± 0.6 °C
	Relative humidity	0 - 100%	± 3%
	Vapour pressure	0 - 47 kPa	± 0.1 kPa
	Barometric pressure	50 - 110 kPa	± 0.1 kPa
	SOIL Temperature	-40 - 60 °C	± 1.0 °C
	Volumetric water content (VWC)	0 - 70%	± 3%
	Available water content (AWC)	0 - 3000 mm	± 5%
	Bulk electric conductivity	0 - 10 dS/m	± 5%
	Pore water electric conductivity	0 - 20 dS/m	± 5%
	RAIN Precipitation	0 - 400 mm/h	± 5% (0 - 50 mm/h)
	WIND Wind speed	0 - 30 m/s	greater of 0.3 m/s or 3%
	Wind direction	0 - 359°	± 5°
	CANOPY Evapotranspiration	0 - 50 mm/d	± 5%
	LIGHT Solar radiation	0 - 1750 W/m ²	± 5%
	Photosynthetically Active Light (PAR)	0 - 5000 μmol/m ² /s	± 5%
	Daily Light Integral (DLI)	0 - 432 mol/m ² /d	± 5%
	POSITION Coordinates		10 m

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