

Instrument	Period	Class	Maximum error (daily integral)	Reference	Class	Comments	Resolution
1 Gorczycki Solarimeter	1953–1959	second	5 %	Coulson (1975)	B	one instrument being used	1 h
2 Eppley 180° pyranometer (no. 3604)	1960–1966	second	5 %	Coulson (1975), Drummond (1965)	B	manual measurements archiving with a voltmeter	1 h
3 Eppley 180° pyranometer (no. 3604) coupled with a Leeds & Northup recorder, Speedomax, type G	1966–1968	second	5 %	Coulson (1975), Drummond (1965)	B	same instrument as no. 2 with Speedomax recorder	1 h
4 Eppley 180° pyranometer (no. 3034) coupled with a Leeds & Northup recorder, Speedomax, type G	1968–1973	second	5 %	Coulson (1975), Drummond (1965)	B	new instrument, same recorder	1 h
5 Eppley pyranometer, type 8-48 and type 8-48A coupled with a Leeds & Northup recorder, Speedomax, type G	1974–1986	second	3–5 %	Hulstrom (1989)	B	type 8-48 and type 8-48A instruments measured alternatively for 3 years each	1 h
6 Eppley Precision Spectral Pyranometer (PSP)	1986–now	first	1–2 %	Hulstrom (1989)	A	regular recalibration; coupled with an A/D recorder (Campbell Scientific Ltd.) data logger, type CR-21X during 1986–2003; CR-10X during 2003–2012	1 min