

P-9710-1 Optometer Specifications

Operating Modes	CW; CW with min/max value display; CW with min/max value control; peak (max/min; peak-peak); I-effective, pulse energy; hold; relative ratio (%); relative ratio factor; relative ratio log / attenuation; dose; data-logger; RS232
Parameter Setting	Menu driven; permanent storage of the last selected setting
Input Ranges	8 ranges (2.000 mA to 200.0 pA); manual or automatic range switching
Display	2x16 characters; character height appr. 5mm; LED background illumination
Measurement Method	Sampling A/D converter (100µs sample rate). Average calculation of the result (integration) from 100 µs to 6 secs
Detector Head Connection	Detector heads with calibration data connector; automatic data transfer
Dosage Measurement	Integration at 1 second intervals up to the desired measure. time (1 s to 1000 hours), or until preset dosage value; display function for the current status.
Data Logger:	12,288 measurement points; recording interval 0.1 s to 6000 s or manually by key; data retention in flash eeprom; display of the data or RS-232 interrogation;

Manual Calibration	Input through keypad; permanent storage in eeprom
RS232 Interface	9600 Baud, 8 bits, 1 stop, no parity, 5 pin TRIAD01 round plug
Analog Output	Integrated in the RS232 plug (TRIAD01 / 5 pin, 10 kohm internal resistance)
Operating Temperature	5 to 40 °C (41 to 104°F) - storage: 0 to 50° C
Power Supply	P-9710-1 battery or AC operation; plug-in power unit for charging and AC operation, battery operation time approx. 6 hours with display illumination; charge level interrogation possible, from approx. 8% charge display message alternates with measured value display;
Dimensions/Weight	195 x 100 x 40 mm / 500 g (7.7 x 3.9 x 1.6 in / 1.1 lb)
Accessories	Plug-in power unit with U/I characteristic curve for simultaneous operation and battery charging (6V/0.5Ah.)



P-9710-1

ACCESSORIES:

BHO-01 Hard-shell Case

P-9710Z-1 RS232 Cable

OSRP-9901 Windows Software