

FlowScout OPM8

Optical power meter

FEATURES

- Field-replaceable output adaptors to support multiple connector styles.
- Large colour touchscreen, visible in direct sunlight, displays a simple to use user interface.
- Rapid pass/fail analysis - Measured power levels automatically evaluated against user-set min/max limits.



CALIBRATED WAVELENGTHS	850nm, 980nm, 1270nm, 1300nm, 1310nm, 1490nm, 1550nm, 1577nm, 1610nm, 1625nm, 1650nm
DETECTOR TYPE	OPM8-H: Filtered InGaAs OPM8-L: InGaAs
MEASUREMENT RANGE	OPM8-H: +26dBm to -50dBm OPM8-L: +10dBm to -70dBm
TONE DETECT RANGE	OPM8-H: +6dBm to -30dBm, +6dBm to -25dBm for 850nm OPM8-L: +10dBm to -50dBm, +10dBm to -45dBm for 850nm
WAVELENGTH ID RANGE	OPM8-H: +6dBm to -30dBm, +6dBm to -25dBm for 850nm OPM8-L: +10dBm to -50dBm, +10dBm to -45dBm for 850nm
MEASUREMENT ACCURACY	± 0.25dB
DISPLAY RESOLUTION	0.01dB/dBm
MEASUREMENT UNITS	dB, dBm
TONE DETECTION	Automatically detects 270Hz, 330Hz, 1kHz, 2kHz
WAVE ID	Automatically detects and measures power & loss at one or more wavelengths using any AFL Wave ID source
STORED REFERENCES	Stores separate reference for each calibration wavelength. Displays stored references
RESULTS STORAGE	Stores > 1000 results in AFL .ATD (XML) format
CONNECTOR ADAPTERS	SC, FC, ST, LC, 2.5 mm universal, 1.25mm universal
POWER	120/240 VAC input; 5VDC at 2A output to USB-C
BATTERY	User replaceable Li-Pol; IEC 62133-2:2017 and UN38.3 certified
BATTERY OPERATING TIME (TYPICAL) [1]	16 hours continuous use
BATTERY RECHARGE TIME [2]	3 hours
OPERATING TEMPERATURE	-10°C to 50°C, 95% RH (non-condensing)
STORAGE TEMPERATURE	-30°C to 60°C, 95% RH (non-condensing)
IP RATING	IP54
SHOCK & VIBRATION	Withstands 1m drop test on all 6 sides
DATA INTERFACES	USB-C and Bluetooth 5.1 (BLE and Bluetooth Classic)
DATA STORAGE	Non-volatile memory for field-updateable software and results storage
DISPLAY	3.5-inch colour backlit LCD; capacitive touchscreen; 320 x 480 pixels
SIZE	14cm [H] x 8cm [W] x 3.3cm [D]
WEIGHT	≤300g
CALIBRATION	N.I.S.T. traceable; ≥3 years between required re-calibration
WARRANTY	5 years

NOTES

All specifications valid at 23°C ±2°C unless otherwise specified. Accuracy measured at 25°C and -10dBm per N.I.S.T. standards. [1] Operating conditions: Display backlight at minimal brightness, Bluetooth off. [2] Charging time data is provided for USB-C 2A charger supported Power Delivery 3.0.