



Technical specifications

Main unit

Net weight:	0.95 kg
Measurements (LxWxH)	21 cm x 12cm x 8 cm
Batteries:	3 x Li-Ion 3.6 V, 1.5 Ah rechargeable
Power consumption:	1 W stand by (laser diode off) 20 W during laser operation

Infrared Laser-diode:

Wavelength:	980 nm
Operation modes:	continuous wave mode (cw) / pulse mode
Power capability of laser diode:	7.5 +/- 1.5 W cw and peak power
Output power ex fiber:	0.5 - 5 W cw adjustable range, 20 % tolerance 3.75 +/-0.75 W time average in pulse mode 50% duty cycle
Pulse mode frequency range:	1 Hz – 300 Hz, 1% tolerance
Pulse duration range:	1 ms – 1 s, tolerance 0.2 ms
Intermittent operation:	5 min ON / 10 min OFF

Visible Laser-diode:

Wavelength:	660 nm
Operation modes:	continuous wave mode (cw) / pulse mode
Power capability of laser diode:	100+/-20 mW cw/qcw
Output power ex fiber:	10 - 100 mW cw adjustable range, 20 % tolerance 50+/-10 mW time average in pulse mode 50% duty cycle
Pulse mode frequency range:	1 Hz – 300 Hz, 1% tolerance
Pulse duration range:	1 ms – 1 s, tolerance 0.2 ms
Intermittent operation:	10 min ON / 10 min OFF

Fiber optic receptacle:

Plug type:	F-SMA 905 (3.16 mm ferrule), high power variant
Fiber core diameter:	≥ 200 μm
Beam divergence at fiber exit	NA=0.22 +/- 0.2 (total included angle of cone is 25°+/-2.5°)

Charger (supply unit)

Net weight:	0.25 kg
Measurements (L x W x H):	15 cm x 10 cm x 5 cm
Mains supply voltage input:	100 – 240 V AC, 50 – 60 Hz
Input supply current:	1 A
Output voltage:	5.7 V DC
Output current:	0 – 4 A
Output voltage ripple:	0.5 V eff.
Power consumption:	0.6 W during stand by 28 W with nominal load current



Foot switch (radio link remote control unit)

Net weight:	0.1 kg
Measurements (LxWxH):	10 cm x 7 cm x 2 cm
Battery:	Li-Ion prismatic, 3.6 V, 0.5 Ah, rechargeable
Power consumption:	0.2 W
Frequency band:	2.45 GHz
Transmission power:	2.4 mW
Transmission standard:	IEEE 802.15.4

Operation conditions

ambient temperature range:	15° C to 30° C, (must be above dew point)
relative humidity range:	30% to 75% (not condensing)
atmospheric pressure range:	865 hPa to 1085 hPa

Storage and transport conditions

ambient temperature range:	-10° C to 40° C, (must be above dew point)
relative humidity range:	30% to 80% (not condensing)
atmospheric pressure range:	300 hPa to 1085 hPa