Smart Variable Laser Treatment Module

CHR40-10

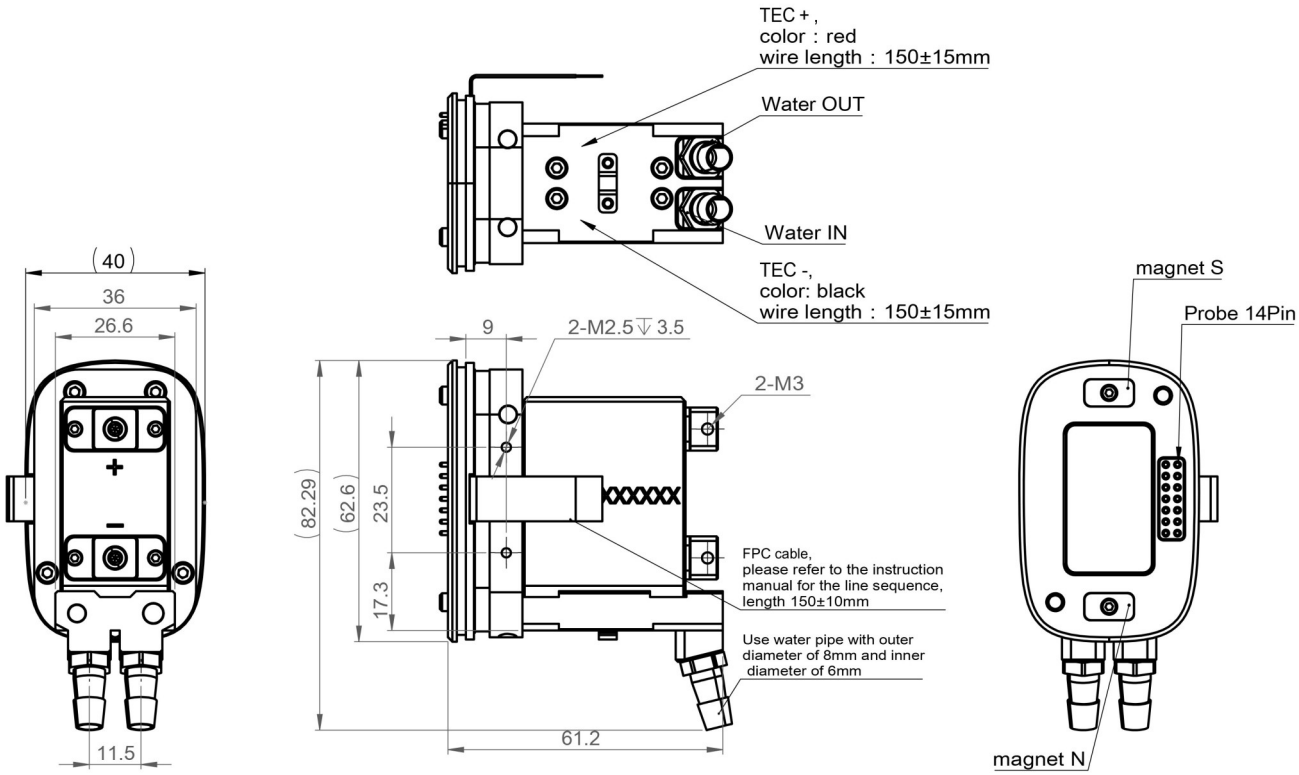
Features

- Contact detection
- Skin-tone detection
- Changeable spot size
- Integration design
- High reliability

Applications

- Hair Removal

Product Dimensions (mm)



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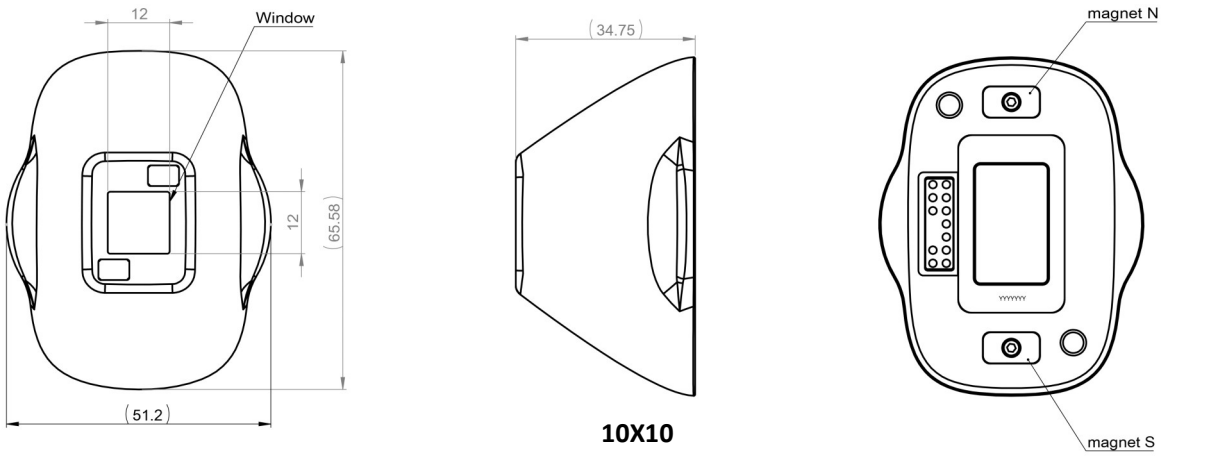
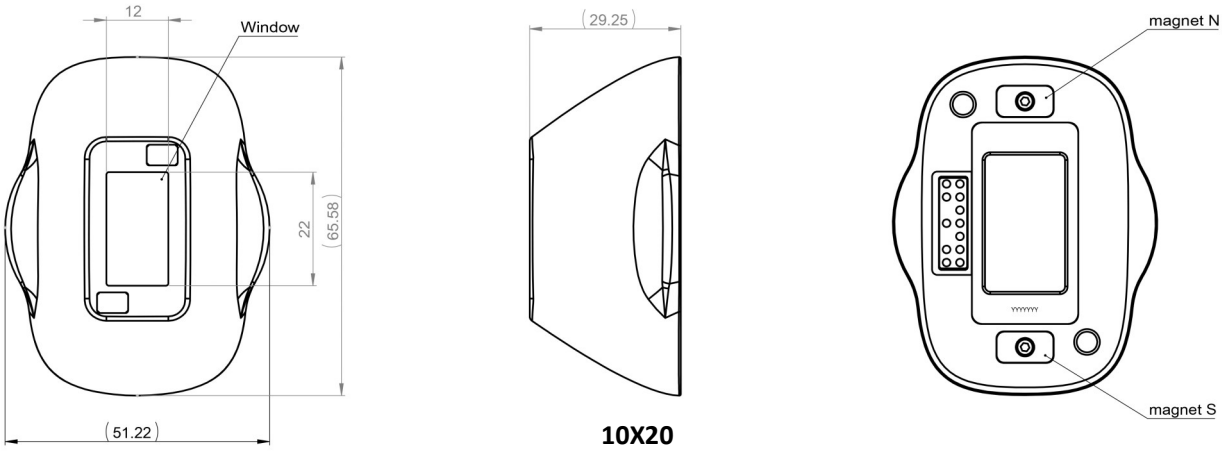
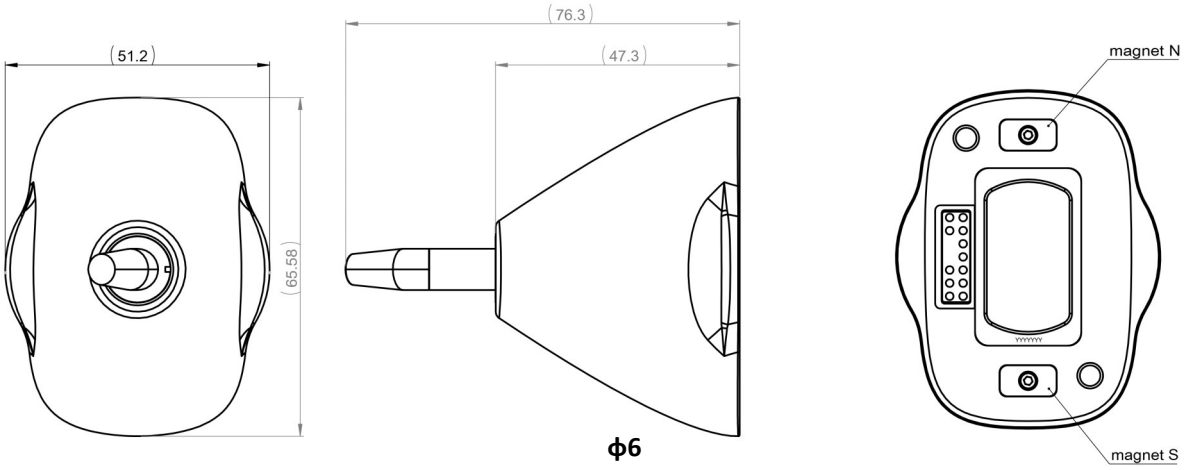
Product Dimensions (mm)



10X10



10X20



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Product Specifications

Product Code		**(Typical Configuration)**
Part No. [1]		FL-CHR40-10-S-2000-808-QCW
Optical Parameters [2]	**Unit**	**Value**
Centroid Wavelength	nm	808
Wavelength Tolerance	nm	± 15
Number of Bars	#	10
Spot Size	mm	10*10 / 10*20 / Ø6
Output Power of LD	W	2000
Output Power of Module	W	1700 (10*10mm); 1800 (10*20mm); 1400 (Ø 6mm)
Pulse width	ms	20
Frequency	Hz	10
Duty Cycle	%	20
Cooling Parameters		
TEC I_{max}	A	~7
TEC V_{max}	V	~12
Electrical Parameters [3]		
Max. Operation Current I_{op}	A	≤ 178
Threshold Current I_{th}	A	≤ 20
Operating Voltage V_{op}	V	≤ 20
Operation Condition [4]	-	Following Energy Table
Thermal parameters		
Operating Temperature	°C	22 ~ 28
Coolant [5]	-	Purified water with ion exchange resin filter (Replace every 3 months)
Flow Rate	L/min	3-3.6
Water Pressure	MPa	~0.35
Storage Temperature [6]	°C	0~55

[1] Part No. = Brand Code - Series - Bar No. - Additional Function - Platform Power Limit - Centroid Wavelength - Operation Mode
[2] Data at 25°C unless otherwise stated.
[3] Reduced lifetime if used above nominal operating conditions.
[4] The module should be operated following the energy table. Please contact your sales representative for energy tables.
[5] The cooling system should use materials which can bear cooling water corrosion, like stainless still or plastic.
[6] A non-condensing environment is required for storage and operation below ambient dew level.

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