

IA-1000

Amplifier Unit

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

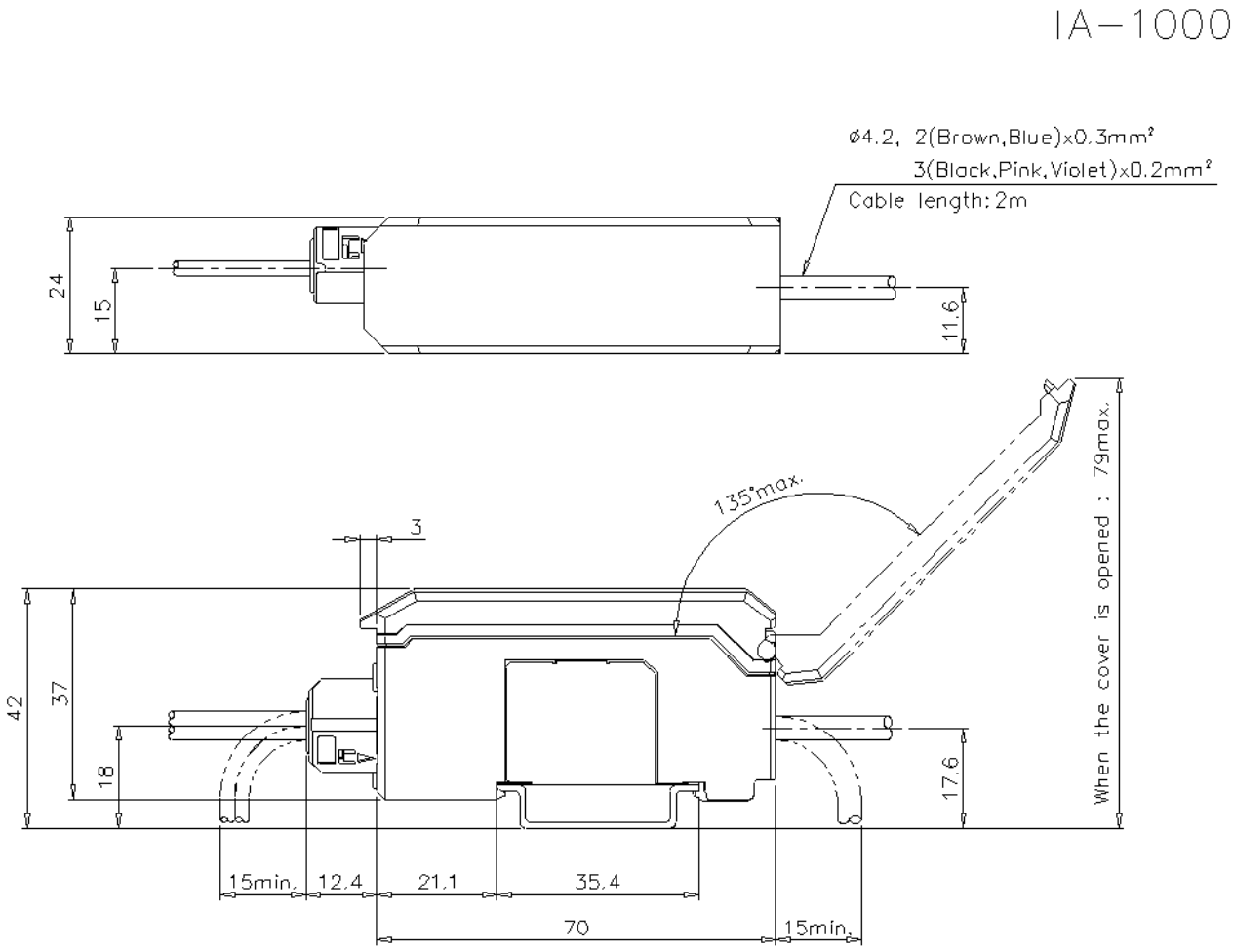
Specifications

Model		IA-1000
Head compatibility		Yes
Display rate		Approx. 10 times/sec
Minimum displayable unit		1 µm 0.04 Mil (IA-030), 2 µm 0.08 Mil (IA-065/IA-100)
Display range		-99.999 to 99.999 mm -3.94" to 3.94" (IA-030) · -99.998 to 99.998 mm -3.94" to 3.94" (IA-065/IA-100)
Analog output voltage		0.5 to 4 V, Output impedance 100 Ω
Control input	Bank switch input	Non-voltage input*1
	Zero-shift input	
	Stop emission input	
Rating	Power voltage	10 to 30 VDC, including Ripple (P-P) 10 %
	Power consumption	1500 mW max. (at 30 V; 50 mA max.)
Environmental resistance	Ambient temperature	-10 to +55 °C 14 to 131 °F (No condensation or freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z axis
Material		Front sheet: Polycarbonate Key tops: Polyacetel Cable: PVC
Weight		Approx. 110 g (including cable)

*1 Either bank switching input or zero shift input can be is used. The rated non-voltage input is: ON voltage, 2 V or less; OFF current, 0.05 mA or less.

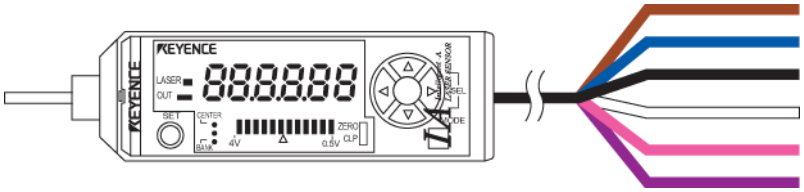
Dimensions

* Download CAD file or product manual for larger image/text and more detail.



I/O Circuit Connection diagram

* Download CAD file or product manual for larger image/text and more detail.



(Brown) 10 to 30 VDC
(Blue) Power supply GND
(Black) Analogue voltage output (0.5 to 4 V)
(Shielded) Analogue voltage output (GND)
(Pink*2) External input
(Purple) Laser emission stop input