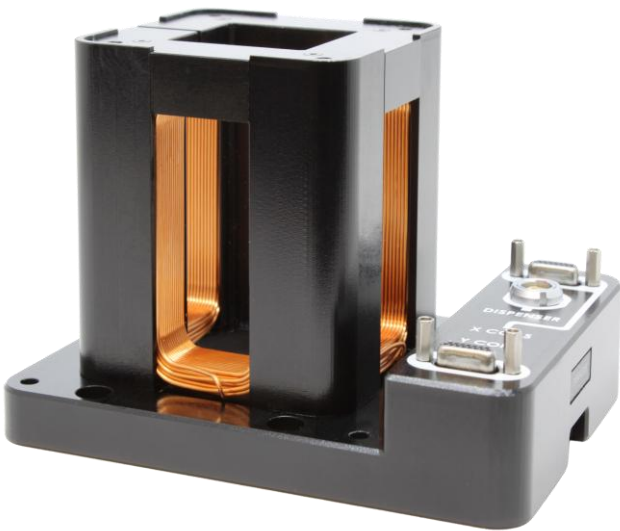


2D MOT Coils

PRODUCT HIGHLIGHTS

- Easily adjustable **magnetic field for greater 2D MOT control**
- Intended for use **with Infleqtion adjustable Picas**
- **Integrated connector** interface for CASC dispenser
- **Sturdy, compact design**

The Infleqtion CAMAPA is a compact 2D MOT coil assembly designed to work with Infleqtion’s Adjustable Picas, CASC and doubleMOT. Each of the four coils can be individually controlled, and when used with Infleqtion’s CASC, the built-in connections allow for a single and easily accessible point of connection to provide current to both the coils and dispenser. With the Picas and CASC, the unit is easily integrated into experimental setups, allowing for a simple plug-and-play solution to create a 2D+ MOT.



PRODUCT SPECIFICATIONS

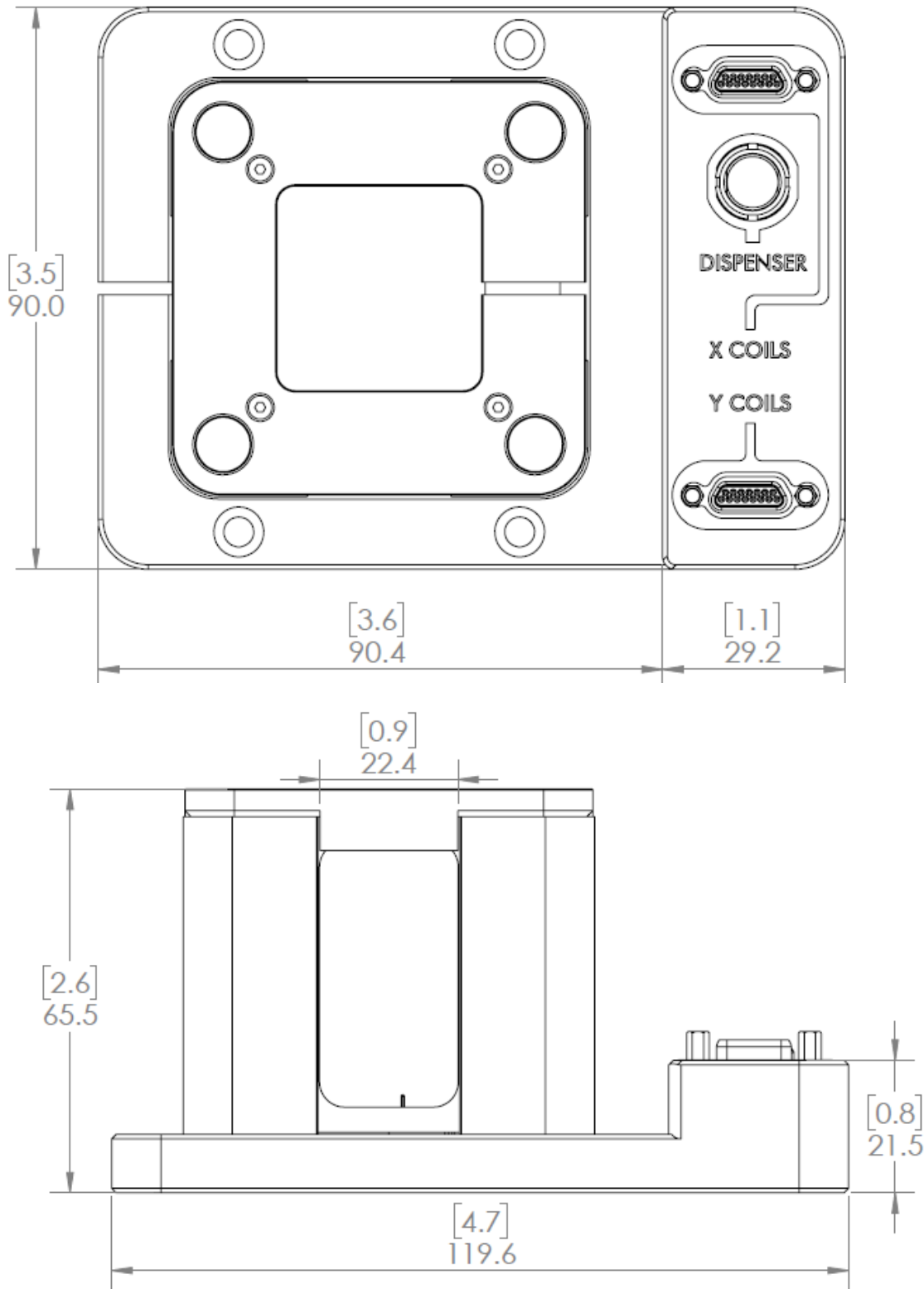
Coils	
Dimensions	90 mm x 119.6 mm x 65.5 mm 3.54 in x 4.71 in x 2.58 in
Coil Connector	Two 15-pin Micro-D sub miniature connectors
Dispenser Connector	4-pin LEMO socket: ECG.0B.304
Equilibrium Temperature at nominal current (1.5A)	28°C
Maximum recommended current	2.8 A per coil
Current required for approx. 14 G/cm	1.5 A per coil
Resistance of coils	0.3 Ω (1.8 m length cable)
Dispenser Connections	
Resistance	< 1 Ω per dispenser
Nominal Current	3 A
Maximum Amperage	3.7 A

Related Products

Adjustable Picas	CPPXXXAMIS
Cold Atom Source Cell (CASC)	CSFRXX
Mounting plate for doubleMOT	CAAMPAD
Mounting plate for CASC	CAAMPA

For more information,
please contact
sales@infleqtion.com

MECHANICAL DRAWINGS
Measurements in mm and [inches]



UNCONTROLLED SALES DRAWING

For more information, please contact sales@inflection.com

