



AMTI's AccuPower™-Optimized (ACP-O)

multi-axis force platform is a portable solution for dynamic movements like jump, weightlifting, drop landing, squat analysis and more. Equipped with wheels and a handle, you can take the ACP-O with you for data collections in classrooms, research labs, weight rooms, or court-side.

Setup is quick and easy. The plug & play USB interface automatically synchronizes multiple platforms and eliminates the need for external power supplies. No mounting necessary, just place the AccuPower™-Optimized plate on the ground. Four leveling feet allow the platform to be flat and stable on various surfaces.

High accuracy thanks to our patented Optima Technology. The AccuPower™-Optimized platform attains unprecedented levels of accuracy for measuring Center of Pressure (COP), forces, and moments, giving you reliable data whether you are a coach, clinician, or researcher.



SPECIFICATIONS

Units: Capacity:

| Dimensions(WxLxH) | 1,016 x 762 x 127 mm | Mounting hardware | Not Required | | | | | |
|----------------------------------|--|-------------------------------|-----------------------------|-------|------|------|------|-------|
| Weight | 27.27 Kg. | Sensing elements | Hall Effect | | | | | |
| Channels | Fx, Fy, Fz, Mx, My, Mz | Amplifier | Built-in | | | | | |
| Top plate material | Composite | Analog outputs | Not Available | | | | | |
| Temperature range | 5 to 40°C | Digital outputs | USB; 6-Channels | | | | | |
| Interface | USB 2.0 | Device Synchronization | Automatic; ultra-low jitter | | | | | |
| Filters | Fixed 100 Hz 3rd order analog | Power Supply | USB-powered, 380mA | | | | | |
| Digital Data Rate | 10 – 1000 data sets per second, user selectable | | | | | | | |
| External Sync Signal | Active = low volts, switch to ground Inactive = high volts, open circuit with internal pull up resistor. Protected to $\pm 10V$. 1K Ohm input resistance. | | | | | | | |
| Digital Data Transmission | 32 bit floating point data containing 6 measurement channels, IEEE format | | | | | | | |
| Computer Requirements | USB 2.0 port, Windows 7/8/10, 1024 Mb RAM, 1.7 GHz | | | | | | | |
| Software Force Platform | NetForce™: up to 12 force platforms (USB hubs required) BioAnalysis™: up to 4 | | | | | | | |
| Capacity | force platforms (USB hub required) | | | | | | | |
| CE Certification | CE Compliant – EMC Full Compliance IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007 +A2:2010, Table 9, IEC 61000-4-4:2012, IEC 61000-4-6:2013, IEC 61000-4-11:2004 per IEC 60601-1-2 ed 4.0 (2014-02) – FCC47 CFR PT 15 15 SPT B: 2013 IC ICES-003: 2016 IEC 61326-1: 2012 CENELEC EN 61326-1 IEC 61010-1:2010 | | | | | | | |
| Channel | Fx | Fy | Fz | Units | Mx | My | Mz | Units |
| Capacity | 4448 | 4448 | 8896 | N | 2823 | 2823 | 1129 | N-m |

*Resultant moment capacity

Published specifications subject to change without notice.

Last modified:2020-09-02

TECHNICAL DRAWING

Footprint Drawing

