

DacMate Datasheet

Category	Specification
Power – USB	USB powered, minimum 750 mA
Power – DC Input	12 VDC nominal (9–15 VDC), minimum 500 mA
Power Capability	Powers DacMate and up to two PlateMates
PlateMate Connections	2 × PlateMate ports
Cable Type / Length	Up to 5 m, 6p6c RJ12 cable
Analog Outputs	8 × analog BNC outputs
DAC Resolution	16-bit
Output Range	±5 V
Output Performance	Low drift, low noise
Output Accuracy	Calibrated to better than 0.01% full scale
Output Protection	Protected to ±60 VDC
Analog Output Configuration	1) Individual load-cell outputs (8 outputs) 2) Summed load-cell output per PlateMate on A1 and B1 3) Custom configuration via USB (CC Athletics software)
Analog Output Scaling	Newtons per Volt (N/V), 6 selectable options
USB Interface	USB 2.0 COM port, 1 Mbaud
Data Output	Force data in Newtons (clear text)
Sampling Rate	8 channels at 1 kHz
Clock Source	Ultra-high-precision 2.5 ppm internal clock
SYNC Input	TTL level, 10 kΩ pull-down, max 5 V, protected to ±60 VDC
SYNC Output	0.5 V, protected to ±60 VDC, high-precision sync output
User Controls	Tare / Zero button