

Stability Platform

Model 16030

Description:

The Stability Platform measures balancing ability, which is essential to successfully performing many activities. The Model 16030 Stability Platform features fully integrated timing functions for test control and electronic angle measurement for unsurpassed accuracy. The platform control allows a wide range of user settable parameters including variable test times, selectable angle limits, and digital tilt angle readout. With the Stability Platform's rugged design and electronic capabilities, it will provide many years of reliable operation.



Features:

- Electronic tilt angle measurements with digital angle readout
- User selectable balance thresholds for left, right and center zones
- Platform re-zero ability
- Built-in timing functions for test and rest timing
- Built-in repeat cycle counter for multiple trials
- Built-in display for test data
- Test Parameter storage
- Analog output voltage proportional to tilt angle
- Event marker to indicate test and rest intervals
- Tone indicator to signal beginning and end of tests
- Friction Free tilt action
- Remote start

Benefits:

- Provides for accurate measurement
- Removes guess work in setting the limits
- Zero is relative for unique experiment designs
- No external timer required
- One test period or many, its your choice
- Easy to read LCD puts all the information in one place
- Repeating the experiment is easy with saved protocols
- Compatible with data acquisition systems
- Allows for synchronization of other data or systems
- Ques the subject on test start and end
- No tactile or audible feedback when limit crossed
- Allows for greater flexibility in experiment design

STABILITY PLATFORM

Electronic Specifications:

Angle Measurement Resolution:	1.0°
Platform Tilt Range:	± 30°
Measurement Limit Range:	± 90°
Angle Limit Setting Resolution:	1.0°
Analog Output Voltage Range:	0-5 Volts
Analog Output Resolution:	.028 V/°
Analog Output Rate:	25 samples/sec
Analog Output Time:	0.040 sec/sample
Test/Rest Time Limit:	999 sec
Test/Rest Time Resolution:	1.0 sec
Repeat Cycle Limit:	25
Test Timing Resolution:	0.001 sec
Timing Accuracy:	.005%
Power Supply:	10 V external adapter
Event Mark Output:	0-5 V TTL

DataLab 2000 Interface:

The Stability Platform can be interfaced to the DataLab 2000 data acquisition system through 3.5mm stereo patch cords. Please ask us about the DataLab 2000 System!



Platform Specifications:

Platform Dimensions:	42" x 25.5"
Overall Dimensions:	42" x 38" x 22"
Platform Material:	3/4" Plywood
Frame Material:	1/8" Aluminum

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Optional Accessories/Software:

Model 16030TS - Tension Strap Kit (Add resistance to the tilt action to make balancing easier.)

Model 16030SR - Hand Rail (Optional hand rail to assist subject in balancing or entering and exiting the platform.)

Model 35800 - PsymSoft (Windows® based psychomotor experiment software.)



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