

HP MOBILE CALCULATING LAB



HP Mobile Calculating Lab (MCL) solutions bring math and science experiments to life by enabling students to explore everyday physical phenomena by easily collecting and analyzing real-world data in real time.

VIEW LIVE!



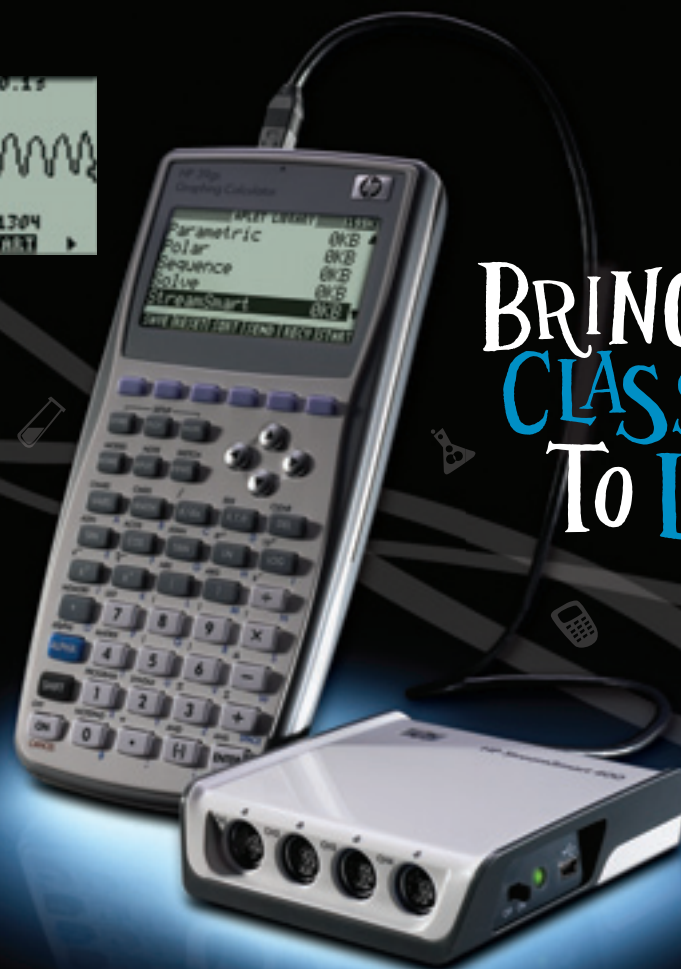
ZOOM!



ANALYZE!

n	C1	C2	C3	C4
1	6.5685	-.1284		
2	5.564	-.0701		
3	5.576	-.0121		
4	5.5792	.0044		
5	5.5798	-.0043		
6	5.5713	-.0134		
5.5685				

EDIT | INS | SORT | BIG | VAR | STATS



BRING YOUR
CLASSROOM
TO LIFE!

MIDDLE-GRADE SCIENCE SOLUTION

The HP MCL Middle-Grade Science solution allows students to perform a variety of experiments in physical science, life science, earth science and integrated science. The solution includes the HP StreamSmart 400 data streamer, HP 39gs graphing calculator, class activity materials, software and Fourier³ sensors selected for middle-grade science experiments.

Perform real-time data streaming

- Collect data from up to four sensors
- Easily collect and display data points in real time at up to 5,500 samples/second¹

Set up quickly and easily

- Connect the HP StreamSmart 400 to the HP 39gs graphing calculator and one of the selected Fourier sensors
- Save class time with virtually no set-up or experiment trial runs—Just plug in, turn on and go

Perform your experiments with ease and flexibility

- Lightweight and ultra compact
- A portable lab – Ideal for experiments in the classroom or in the field

¹ Rate based on one port in use. Rates may vary based on number and type of sensor.

BRING YOUR CLASSROOM TO LIFE!

IT'S AS EASY AS 1, 2, 3.

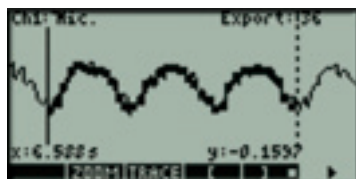


HP 39gs Graphing Calculator



1. Plug-in

Connect a sensor to the HP StreamSmart 400, connect the StreamSmart 400 to your HP graphing calculator, and start the StreamSmart Aplet.



2. View, zoom and crop

Zoom and pan (scroll) to the data you want to keep. You can even zoom and pan while the experiment is running! You can also crop and thin your data set.



HP StreamSmart 400

3. Export and analyze

Send your final data to the Statistics Aplet for analysis. Here you can view summary statistics, plot your data, or fit a model to your data.



Fourier²—Distance sensor

CONTENT	PART NUMBER	RANGE	QUANTITY
HP			
HP 39gs Graphing Calculator and User Guide	F2223AA		1
HP StreamSmart 400 and User Guide	F2235AA		1
HP MCL Middle School Science Activity Book (13 Activities)			13 Activities ²
Fourier Sensors³			
Fourier Distance Sensor	DT020-1	0.4-10m	1
Fourier Light Sensor	DT009-4	3 scale - 0-600, 0-6,000, 0-150,000 lux	1
Fourier Temperature Sensor	DT029	-25 - 110 °NTC Thermistor	2
Fourier Microphone Sensor	DT008	+/-2.5V	1
Fourier Gas Pressure Sensor	DT015	150 - 1150mB	1
Fourier Force Sensor	DT272	+/-10N, +/-50N	1
Fourier Photogate Sensor	DT137	0-5V (Digital)	1
Fourier pH and Electrode Sensor	DT016A	0-14 pH	1
Fourier Humidity sensor	DT014	0-100%	1
8-pin mini-DIN cables	DT022	N/A	2
Carrying case			1

For more information on the HP Mobile Calculation Lab, visit: www.hp.com/go/MCL

To purchase, visit: www.fourier-sys.com/hp_MCL

² Please download curriculum pack activities at www.hp.com/go/mcl

³ Information on Fourier sensors can be found at: www.fourier-sys.com

© 2009 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

