HP StreamSmart 400

4-port Data Streamer

The HP StreamSmart 400 helps math and science students visualize experiment results by streaming data in real time. Just plug it into the HP 39gs or 40gs Graphing Calculator and a probe or sensor, and start streaming data.

Ideal for classroom teaching of Math, Science, Pre-Algebra, Algebra, Trigonometry/Pre-Calculus, Calculus, Statistics, Earth Science, Environmental Science, Physical Science, Physics, Biology and Chemistry

PERFORM REAL-TIME DATA STREAMING

- Collect data from up to four probes
- Easily collect data points at up to 5,700 samples/second[1]
- Obtain the optimal view of the data stream in real time

SET UP QUICKLY AND EASILY

- Connect to the HP 39/40gs Graphing Calculator and one of many Fourier sensors[2]
- Save class time with virtually no setup or experiment trial runs

PERFORM YOUR EXPERIMENTS WITH EASE AND FLEXIBILITY

- Lightweight and ultra-compact
- Easily choose among four different data capture modes
- Select just the data you want to export

HP StreamSmart 400

Attach either an HP 39gs or 40gs graphing calculator and up to 4 Fourier sensors[2] to create the HP Mobile Calculating Lab (MCL)

The HP StreamSmart 400 lets students experiment and collect data with ease. Designed specifically for math and science classrooms, it helps students visualize experimental results immediately by streaming data in real time from real-world probes and sensors.

Feature highlights

- Capture up to four streams of data simultaneously and in real time
- Easily collect data points at rates up to 5,700 samples per second[1]
- Instantly identifies probe or sensor and selects unit of measurement and optimal scaling
- Zoom in or out on the data streams in real time
- Calculator Aplet supports data streaming, data logging, selection of events, and events with entry
- Small and ultra-portable
- Export selected data to the 39/40gs graphing calculator for analysis
- StreamSmart calculator Aplet works seamlessly with the statistics calculator Aplet
- Mini-USB port with optional virtual calculator software and USB cable allows for PC connectivity for classroom tutorials and presentations
- Designed for use with the HP 39/40gs Graphing Calculator and Fourier[2] measurement probes and sensors (motion, sound, temperature, light, etc.)

HP Quality and Support

- Rely on HP quality and award-wining support—online and by phone
- Get the most from your calculator, visit www.hp.com/calculators for online tutorials

Specifications

Part Number	F2235AA
Ideal for	Math, Science, Pre-Algebra, Algebra, Trigonometry/Pre-Calculus, Calculus, Statistics, Earth Science, Environmental Science, Physical Science, Physics, Biology and Chemistry
Channels	4 x 8-pin mini-DIN ports
Supported Calculators	HP 39gs Graphing Calculator HP 40gs Graphing Calculator
Supported Probes	40+ probes and sensors from Fourier[2]
Connectivity	Mini-Serial cable (attached): connects to HP 39gs/40gs graphing calculator Mini-USB port: connects to Windows-based PC (XP, Vista)
Stream rate	Up to 5,700 samples/sec maximum real time rate[1]
Power	1 x 9V DC battery
Features	LCD activity indicator light All ports accept either digital or analog probes or sensors Plug-and-play operation on compatible Fourier probes
Software	HP Aplet software: Captures 1-4 data streams simultaneously and exports data for analysis in the calculator statistics Aplet, with 9 fit models and summary statistics HP Calculator software: Virtual HP 39gs/40gs calculator on your PC (Windows XP, Vista)
Weight	150 g (5.3 oz)
Size (L x W x D)	10 x 8.7 x 2.4 cm (3.94 x 3.43 x 0.94 in)
Material	Top cabinet and base: ABS Plastic
What's in the Box	HP StreamSmart 400, 9V battery, user manual, mini-serial cable (attached), CD-ROM with HP calculator software
Warranty	1 year (may vary by region)

[1] Rate based on one port in use. Rates may vary based on number and type of sensor
[2] Information on Fourier probes and sensors can be found at: www.Fourier-sys.com

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