The HP StreamSmart 410 helps math and science students visualize experiment results by streaming data in real time.

**Make experiments come alive with the HP StreamSmart 410**

Designed for use in math and science classes, the StreamSmart 410 connects real-world data to a student’s graphing calculator, with accurate and immediate real-time streaming.

Suitable for use in a wide range of subjects, including: math, science, pre-algebra, algebra, trigonometry/pre-calculus, calculus, statistics, earth science, environmental science, physical science, physics, biology, and chemistry.

**No waiting around to see results**

- Watch and learn with real-time data collection as it occurs. Learning becomes exciting when you can capture up to four streams of data (motion, sound, temperature, light, etc.) and simultaneously see the results in real time – without any delays!
- Easily collect data points at rates of 5,000 or more samples per second\(^1\)
- Identifies sensor type automatically and selects unit of measurement and optimal scaling
- Zoom in or out on the data streams in real time
- Supports data streaming, data logging, selection of events, and events with entry

**Use with HP Prime Graphing Calculators (G8X92AA) and Fourier data sensors**

- Designed for use with the HP Prime Graphing Calculator (G8X92AA) and Fourier\(^2\) measurement sensors
- Export selected data to the HP Prime Graphing Calculator (G8X92AA) for further analysis

**Set up experiments quickly and easily**

- Solution is small and ultra-portable
- Automatically sends the collected data to the built-in analysis tool. No need to learn a new set of analysis tools

**HP quality and support**

- HP’s quality and reliability offer you peace of mind. Get the most from your calculator – visit [hp.com/calculators](http://hp.com/calculators) for more information

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\(^1\) Rate based on one port in use. Rates may vary based on number and type of sensor used

\(^2\) Information on Fourier sensors can be found at: [www.fourieredu.com](http://www.fourieredu.com)
### Part number
NW278AA

### Usage

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

#### Supported Calculators
HP Prime Graphing Calculator (G8X92AA)

### Mechanical

#### Channels
4 x 8-pin mini-DIN ports

#### Supported Sensors
40+ sensors from Fourier

#### Connectivity
- Mini to micro USB cable: connects to the HP Prime Graphing Calculator (G8X92AA) Micro-USB port
- Mini to standard USB cable: connects to a standard USB port

#### Stream rate
5,000 and more samples/sec maximum real-time rate

### Features

#### Device
- LED activity indicator light
- All ports accept either digital or analog sensors
- Plug-and-play operation on compatible Fourier sensors

#### Power

- Battery
  - Rechargeable Li-ion 3.7V battery

### Dimensions and weight

#### Weight
150 g (5.3 oz)

#### Dimensions (L x W x D)
10 x 8.7 x 2.4 cm (3.94 x 3.43 x 0.94 in)

#### Material
Plastic

### What’s included

#### Warranty
1 year (may vary by region)

### What’s in the box
HP StreamSmart 410, user manual (availability varies per language), mini to micro USB cable, mini to standard USB cable, CD-ROM with user manual, warranty information

### Product walk-around

**Front view**
1. Attach up to 4 sensors

**Side view**
1. Reset button
2. LED activity indicator
3. Mini USB port allows for connection to the HP Prime Graphing Calculator
## Compatible Fourier Sensors

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<thead>
<tr>
<th>Part Number</th>
<th>Sensor Description</th>
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<tr>
<td>DT002</td>
<td>Voltage</td>
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<tr>
<td>DT006</td>
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<tr>
<td>DT008</td>
<td>Microphone</td>
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<td>DT009-4</td>
<td>Light Sensor</td>
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<tr>
<td>DT014</td>
<td>Humidity</td>
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<tr>
<td>DT015</td>
<td>Pressure (150 - 1150 mB)</td>
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<tr>
<td>DT015-1</td>
<td>Pressure (0 to 700 kPa)</td>
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<td>DT018</td>
<td>pH Electrode</td>
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<tr>
<td>DT020-1</td>
<td>Distance</td>
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<tr>
<td>DT025</td>
<td>Temperature TC-K (0 - 1200°C)</td>
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<tr>
<td>DT029</td>
<td>Temperature (-40 to +140°C)</td>
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<tr>
<td>DT035</td>
<td>Conductivity</td>
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<tr>
<td>DT037</td>
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<tr>
<td>DT298</td>
<td>Exercise Pulse Rate</td>
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