



GPS

# 800TA series



Figure 1 Model shown GPS-807TA4

The new tablet touchscreen oscilloscope paves the way for a new era of data capture giving unprecedented access and control to the oscilloscopes' functions

The GPS-800TA series uses a robust 8-inch TFT-LCD screen with 800x600 pixel display, that combines the slick, responsive touchscreen facilities of the today's tablets with the functionality of a powerful, precise oscilloscope. The screen supports a multi-touch capacity which allows quick access to specific functions and actions. Add to this, a 256-colour intensity graded display and support for LAN, Wi-Fi, HDMI, USB Host, USB Device, Pass/Fail, Trigger Out and what you have is an instrument with rapid response, easy operation, advanced technology with abundant features all at a remarkable price.

## Key Features

- Full touch screen operation w/ virtual keyboard
- 70 or 100 MHz bandwidth
- 2 or 4 channels
- 1Gs/s sampling rate
- Up to 28Mpts memory depth with ZOOM technology
- Up to 80,000 wfms/s capture rates
- 31 types of auto measurements
- Lower noise and various trigger functions
- Multi-level intensity grading display
- Built-in 8GB memory

## Ideal for

- Educational centres
- Network maintenance
- Electronic maintenance
- Research and development
- Hi-tech electronics lab
- Industrial maintenance

## Technical Specifications

| Model                    | GPS-807TA2  | GPS-807TA4 | GPS-810TA2 | GPS-810TA4 |
|--------------------------|---|------------|------------|------------|
| Bandwidth                | 70 MHz  | 70 MHz     | 100 MHz    | 100 MHz    |
| Input channel            | 2   | 4          | 2          | 4          |
| Real time sampling rate  |   |            |            |            |
| Memory depth             | 14 Mpts   |            | 28 Mpts    |            |
| Maximum capture rate     | 80,000 wfms/s   |            |            |            |
| Interface                | Wi-Fi (optional), LAN, HDMI (optional), USB Host, USB Device, GND, DC Power, Pass/Fail out, Trigger out |            |            |            |
| Display                  | 8 inches TFT LCD, 800x600 pixels display resolution. 14x10 display range                                |            |            |            |
| Vertical system          | 1mV/div to 5V/div - 8 bits DC, AC, GND  |            |            |            |
| Horizontal system        | 2ns/div to 1Ks/div, accuracy: ±20ppm  |            |            |            |
| Trigger mode             | Normal, Auto and Single   |            |            |            |
| Auto measurements / Math | 31 auto-measurement parameters / add, subtract, multiply, divide and FFT                                |            |            |            |
| Trigger type             | Edge, Pulse width, Logic, Video trigger, Time out, Slope, Dwart PW, Nth edge                            |            |            |            |

### Standard Accessories

300 MHz passive probes (1:1 / 10:1) (2 or 4 pcs)  
 Quick start guide  
 Power adaptor  
 Rechargeable battery  
 Mini-USB data cable

### Power

100 to 240 V AV, 50/60Hz, <60W

### Battery

7,500 mAh Li-ion battery

### Languages

English, German, Russian

## General Specifications

| Part Numbers / Optional Accessories |   |             |
|-------------------------------------|---|-------------|
| Code                                | Item  | Part Number |
| GPS-807TA2                          | Tablet oscilloscope, 70 MHz, 2 analogue channels  | 182107      |
| GPS-810TA2                          | Tablet oscilloscope, 100 MHz, 2 analogue channels | 182310      |
| GPS-807TA4                          | Tablet oscilloscope, 70 MHz, 4 analogue channels  | 182807      |
| GPS-810TA4                          | Tablet oscilloscope, 100 MHz, 4 analogue channels | 182910      |
| TO-BAG                              | Black nylon handbag                               | 900166      |

*Range of probes available - please contact for more details*

### Dimensions

250 x 210 x 55mm / 6 x 10 x 2" (w x d x h) approx.

### Mass

2.5kg/3.3lbs approx.

### Operating

0°C~40°C  
 85%RH, 40°C  
 ≤3000m

### Services

1-year warranty (subject to product registration with GPS Ltd)

Visit [www.gpslimited.com/register-product](http://www.gpslimited.com/register-product)  
 Service and calibration available.

Please contact for more information

[www.gpslimited.com/800TA](http://www.gpslimited.com/800TA)  
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