

Applications

The Model FPC-2 Field PC is a rugged, handheld, easy-to-use instrument used for reading...

- Inclinometer Probes (GK-604D)
- Portable MEMS Tiltmeters (6101D)
- Vibrating Wire Sensors (GK-405)
- Addressable Thermistor Strings (3810A)



• Model FPC-2 shown with the Model GK-604D Digital Inclinometer System.



• Model FPC-2 Field PC with screen showing Vibrating Wire Output.

Overview

The Model FPC-2 Field PC is a rugged, handheld, easy-to-use instrument for reading Digital Inclinometer Probes and Tiltmeters (in the GK-604D) and VW Sensors (in the GK-405). It's a standalone device for reading the Model 3810A Addressable Thermistor Strings and the Model 6101D Portable Digital MEMS Tiltmeter. It can also be used to program and retrieve data from the Model 8002 (LC-2) Series Dataloggers using LogView Mobile software—a particularly useful option in harsh environments that are too extreme for a typical laptop PC.

The FPC-2 features a 4.7-inch FWVGA touch screen display and a numeric keypad. It offers a 1.5 GHz Texas Instruments 4470 dual-core processor, with 1 GB of onboard RAM, 4 GB of Flash storage and a 5200 mAh

Li-ion battery that will operate up to 12 hours on a single charge. It also includes an integrated **u-blox**® GPS, **Bluetooth**® version 2.0 and 802.11b/g/n WLAN functionality, and a built-in 8-megapixel camera with autofocus and LED flash.

The FPC-2 has an IP67 rating, is impervious to both dust and water and is resistant to shocks, vibration and operating temperatures from -30 °C to +60 °C. It weighs just 490 grams (1.08 pounds) and is compact enough to operate in one hand.

The FPC-2 is supplied complete with a hand strap, stylus, USB sync cable, Lithium-Ion battery, AC wall charger (with international plug kit), screen protector, and Quick Start Guide.



● Screen shot showing main menu and installed programs on the Model FPC-2.



● Model FPC-2 showing LogView Mobile Datalogging and Monitoring screen.

Technical Specifications

Processor	Texas Instruments 4470 dual-core @ 1.5 GHz
Memory/Disk	1 GB RAM/4 GB iNAND Flash
Operating System	Microsoft® Windows® Embedded Handheld 6.5.3
Screen	4.7" FWVGA (854x480); IPS; 600 nits, capacitive multi-touch Asahi Dragontrail chemically strengthened glass
Keypad	Numeric keypad with backlighting, on-screen QWERTY keyboard, 3 programmable function keys
Connections	USB A Host, USB micro (PC sync and charging), DB9 RS-232 serial, 3.5 mm headset (stereo and mic)
Communication	Audio: Built in: Receiver, loud-speaker; mic; Wireless LAN: 802.11 b/g/n; Bluetooth® wireless technology: Class 2 (10 m), v2.0 in Windows Mobile OS
Navigation	Integrated with stand-alone u-blox GPS
Camera	Integrated 8-megapixel rear-facing camera with autofocus and LED illumination
Drop	MIL-STD-810G 516.6 Procedure IV
Vibration	MIL-STD-810G, Method 514.6 Procedure I and II, Category 5
Sand and Dust:	IP67
Water	IP67
Humidity	MIL-STD-810G 507.5 Procedure II
Altitude	4572 m / 15,000 ft MIL-STD-810G, Method 500.5 Procedure I
Battery	Li-ion, 3.7 V 5200 mAh (19.2 Wh) (Warm-swappable) with smart gauge
Operating Temperature	-30 °C to 60 °C, MIL-STD-810G, 501.5/502.5 Procedure II and III
Storage Temperature	-40 °C to 70 °C, MIL-STD-810G, 501.5/502.5 Procedure I
Temperature Shock	Cycles between -30 °C and 60 °C, MIL-STD-810G, Method 503.5, Procedure I-C
Weight	490 g, including rechargeable battery and hand strap
L x W x H	191 x 80 x 35 mm