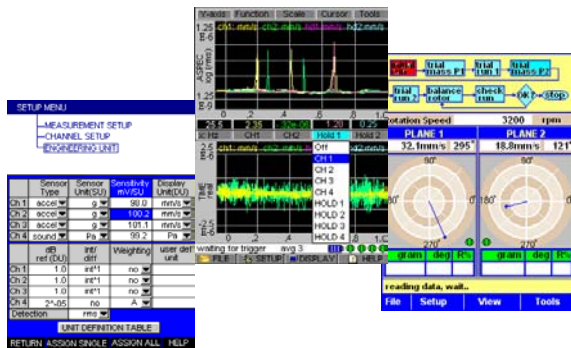


impaq™ 4 channel dynamic signal analyzer

- Powered by MS Windows CE
- 4 channel real time analyzer
- Color TFT LCD screen
- The most compact 4 channel system
- Optional software for different application:
 - FFT Spectral Analysis
 - Rotor Dynamic Balancing
 - Vibration Meter*
 - 1/3 Octave Analysis**
 - Order Tracking Analysis*
 - Data Collector*
- * (To be available in 2005)
- Battery Powered
- USB 1.1 interface
- High Speed DSP Technology



With four input channels, impaq™ has made in-field vibration analysis easier and more convenient than ever. Now one may use a tri-axial accelerometer for in-field modal testing, ODS testing, etc. Compared with other two or one channel analyzers, impaq™ offers more information for advanced vibration analysis. Powered by MS Windows CE, it is easy to upgrade or install different application software to this instrument. For Vibration and Acoustic analysis, you need only one impaq™ for all.

Feature	Technical Specifications
Operating System	Windows CE
Number of Input Channels	4 analogue channels and 1 aux channel
Connector of Input Channels	Analogue: 7 pin lemon, Aux: 6 pin Lemon
Channel Coupling	AC, DC, ICP, 200V microphone, 0V microphone
Aux channel	TTL in (external trigger, TTL out, RS-232C (to printer)
DSP Processor	TI TMS320C6711
Internal memory	16 M Bytes Flash - Contains Windows CE
External Memory	CF card
Battery	L-ION 8.4V 5400 mAhr, rechargeable
PC Communication Interface	USB 1.1, mini B type USB connector
LCD Display	240 x 320 Bright active matrix TFT, 65,536 colors,
Operating Temperature	-10 deg C to + 60 deg C
Safety Certifications	CE
Sealing	IP 65
Housing material	Aluminum Alloy
Weight	2.4 lb (1120 grams)
Size	4.5 in x 8.9 in x 2.56in. (115mm*227mm*65mm)
Input Signal Range	+/- 20 Volts Max.
Dynamic Range	>90 dB
Frequency Range	0 Hz to 40KHZ

Feature for optional FFT analysis

FFT Real Time Rate	40 kHz, single channel
FFT Resolution	100-12,800 lines, single channel
Windows	hanning, flattop, rectangular, force, exponential
Analysis Function	Spectrum, Power Spectrum, FRF, Time, Coherence
Engineering Units	automatic units transform with pre-defined table
Zoom FFT	Yes
Average	linear, exponential, time, peak hold
Trigger	external, input channel triggering
Cursor	single, harmonic, harmonic+ single, peak

Optional Feature	Description
1 channel FFT	add-on software for 1 channel FFT spectral analysis
2 channel FFT	add-on software for 2 channel FFT spectral analysis
4 channel FFT	add-on software for 4 channel FFT spectral analysis
Dual plane balancing	add-on software for dual plane rotor balancing
2 channel ODT*	add-on software for 2 channel real-time order tracking
4 channel ODT*	add-on software for 4 channel real-time order tracking
1 channel 1/3 Octave*	add-on software for 1 channel 1/3 Octave analysis
2 channel 1/3 Octave*	add-on software for 2 channel 1/3 Octave analysis
4 channel 1/3 Octave*	add-on software for 4 channel 1/3 Octave analysis
Route collection*	add-on software for taking scheduled measurement
Vibration meter*	add-on software for 4 channel vibration meters
Carrying case	Hard carrying case for impaq and accessories
Adapting cable	7 pin Lemon to BNC, l=10 cm
Tacho meter	tacho meter with integrated cable
Printer	Thermo printer with RS-232C interface

* To be available later

G-TECH

G-TECH Instrument Inc.
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