



Fluid Conservation  
Systems

# Touch Pro

*High Performance Correlator*

• FLOW MEASUREMENT • DATA LOGGING • LEAK DETECTION • PRESSURE CONTROL • ENVIRONMENTAL MONITORING • AMR • ENERGY MANAGEMENT

The Touch Pro from FCS represents a breakthrough in leak detection technology. It features improvements throughout the leak noise processing path to provide improved performance; especially in the most difficult leak detection situations. This enables it to give the best performance in traditionally difficult conditions, such as on plastic and large diameter pipes.

## Easy to Use

Touch Pro features a high visibility full colour VGA touch screen to greatly improve data entry and the quality of graphical presentation. The intuitive user interface enables the unit to be operated with minimal key presses and the helpful step by step menu system easily guides the user through the correlation process.

## High Quality Performance

The large screen clearly displays correlation results and supportive information, and the innovative high contrast mode enables good visibility even in bright sunshine.

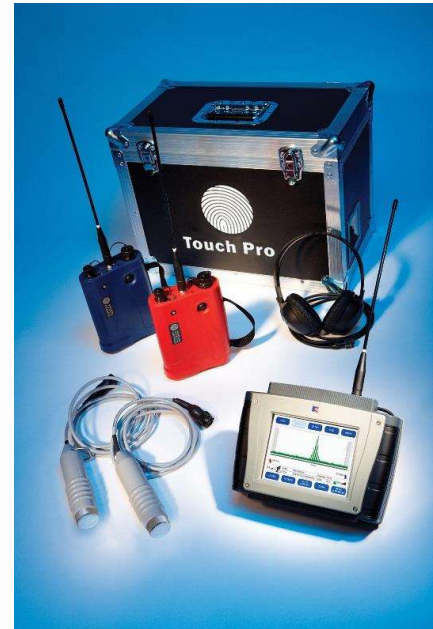
The unique Automated Filtering Intelligence System (AFIS) automatically runs up to 55 different filter combinations on each correlation, checking the quality of the result and optimizing the filters until the best result is obtained. AFIS works with both live and pre-recorded correlation data and makes manual filter setting a thing of the past by effectively building an “expert user” into the unit.

The outstation is compact with an upgraded high quality, long range radio transmission. It also features a magnet to secure onto metallic surfaces.

## Robust for Long-term Use

The specially designed robust case not only carries and protects all components, it also allows the base station and outstations to be charged from a single power lead and displays charging status. Units can be stowed with sensors still connected for faster deployment in the field.

Using our extensive experience of correlator design and manufacture, FCS has created an easy to use system that delivers the best all round performance at a highly competitive price.



## KEY FEATURES

- Upgraded processing electronics
- Upgraded high quality, long range telemetry
- AFIS - Automatic Filtering intelligence system
- High visibility colour VGA Touch screen
- Easy to use
- Compact, portable design
- Unique, robust construction
- In case charging
- High Impact PC/ABS Casework
- Faster and cleaner correlation results

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## Touch Pro – Technical Specification

• FLOW MEASUREMENT • DATA LOGGING • LEAK DETECTION • PRESSURE CONTROL • ENVIRONMENTAL MONITORING • AMR • ENERGY MANAGEMENT

### CONTROL UNIT

**Filter selection** Manual, FFT, Coherence and Tri Filter Correlation. Pipe-data related default settings

**Resolution** ± 4in

**Display** High Visibility Full Colour VGA

**Antennae** External antenna/magmount

**Battery type** Rechargeable Lithium ion batteries, field replaceable

**Battery life** 7 hours (Rechargeable) in Case

**Type of keypad** Touch Screen interface

*Enhanced Low Noise processing*

*Improved radio system, low noise, long range*

*New Tuned Hydrophone interface*

*Automated Filter Intelligence (AFIS)*

*Combined correlation/survey mode*

#### Key functions

*Listen (acoustic survey)*

*Frequency analysis*

*Peak suppression*

*User definable pipe types & velocities*

*Intuitive user interface*

*In case charging*

**Language** Selectable via menu

**Operating software** MS Windows-CE embedded.

**Printer output** USB to PC software-enabled printing

**PC download** Via PC software, Windows-compatible software

**Dimensions** Height to Top: 3.5in Width: 9.8in  
Depth: 7in

**Weight** 4.1lbs

**Operating temp** 5°F to 122°F

**Environmental** IP65

**Enclosure** High Impact PC/ABS plastic

**Connectors** Military specification Amphenol-Type

**Diagnostics**

### OUTSTATION

*Optional 1 or 2 Radio Outstation Systems*

**Radio Freq.** Local regulations apply

**Connections** Headphones, External antenna, Charging

**Battery type** Rechargeable Lithium ion batteries, field replaceable

**Battery life** 7 hours (Rechargeable)

**Antenna** External antenna

**Dimensions** L 7.9in W 5.3in D 2in

**Weight** 1.9 lbs

**Environment** IP65

**Housing** High-impact PC/ABS plastic

**Connectors** Military specification Amphenol

### SENSOR

**Frequency Response** d.c.- 5000Hz, High V/g

**Environment** IP68, rubber shroud for shock protection

**Connection** 6ft/10ft/16ft cables with strain relief  
Military spec connector

**Hydrophones** Available as option with tuned auto gain interface

### CASE

**Charging** In case charging through mains or 12V vehicle supply. Case indicates charge for all components



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HWM reserves the right to change any product specification without prior notice