



CLEAN WATER



Touch Pro TM

High Performance Trunk Main Correlator



Key Features

- ✓ Specifically designed hydrophone & amplifier technology
- ✓ Upgraded processing Electronics
- ✓ AFIS - Automatic Filtering intelligence system.
- ✓ High visibility colour VGA Touch screen.
- ✓ Faster and cleaner correlation results
- ✓ Easy to use
- ✓ Compact, portable design.
- ✓ Robust construction.
- ✓ In case charging.
- ✓ High Impact PC/ABS Casework
- ✓ High quality upgraded long range telemetry

Overview

The Touch Pro TM from HWM, represents a breakthrough in leak detection technology. It features “best in class” sensors providing new levels of sensitivity across the widest frequency range. This enables it to give the best performance in traditionally difficult conditions, such as on plastic and large diameter pipes.

The new TM unit is supplied with hydrophone sensors and specifically designed amplification for trunk main leak detection

High Quality

New radio transmission hardware has been introduced to provide improved quality of signal over the longer distances of operation on transfer mains.

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

AFIS

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 optimising 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.

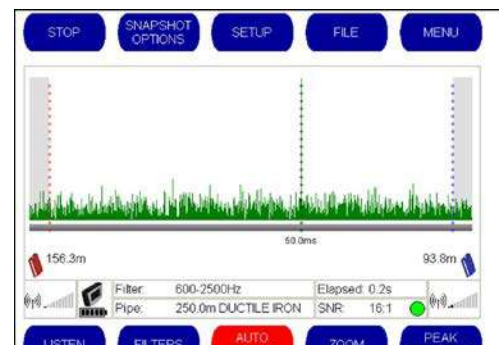
Robust

The purpose designed robust case not only carries and protects all components but 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, HWM have created an easy to use system that delivers the best all round performance at a highly competitive price.



Faster and cleaner correlation results



Touch Pro – Technical Specification

CONTROL UNIT

Filter selection	Manual, FFT, Coherence and Tri Filter Correlation. Pipe-data related default settings
Resolution	± 0.1m
Display	High Visibility Full Colour VGA
Antennae	External antenna/magmount
Battery type	Rechargeable Lithium ion batteries, field replaceable
Battery life	12 hours (Rechargeable) in Case
Type of keypad	Touch Screen interface
Key functions	<p><i>Enhanced Low Noise processing</i></p> <p><i>Improved radio system, low noise, long range</i></p> <p><i>New Tuned Hydrophone interface</i></p> <p><i>Automated Filter Intelligence (AFIS)</i></p> <p><i>Combined correlation/survey mode</i></p> <p><i>Listen (acoustic survey)</i></p> <p><i>Frequency analysis</i></p> <p><i>Peak suppression</i></p> <p><i>User definable pipe types & velocities</i></p> <p><i>Intuitive user interface</i></p> <p><i>In case charging</i></p>
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: 90mm Width: 250mm Depth: 180mm
Weight	1.9kg
Operating temp	-15°C to +50°C
Environmental	IP65
Enclosure	High Impact PC/ABS plastic
Connectors	Military specification Amphenol-Type
Diagnostics	Self-test and auto-calibration on power-on

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	12 hours (Rechargeable)
Antenna	External antenna
Dimensions	L 200mm W 135mm D 50mm
Weight	0.87kg
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	2m/3m/5m 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



