



Gas Detection Products

Innovation • Solutions • Service



2011 Western Regional Gas Conference

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Sensit Technologies

30 years supplying first responders with gas detection products



- Serving energy, industrial and fire protection markets
- Strong brand and customer loyalty by providing great products with service second to none
- Committed to building strong relationships with employees, customers, representatives and distributors

Sensit Technologies formally J And N

Company overview



- Family business established in 1980
- 50 Direct Employees
- 16,000 sq. ft. and currently adding an additional 11,000 sq. ft. state-of-the-art corporate offices with design, production and service facilities.
- Long established representative and distributor relationships
- Sales to over 50 different countries.

History



Field "Bread Board" Unit

- **1997 IR&D Project:** GTI built a laboratory breadboard to demonstrate sensitivity to cast iron joints and chill ring welds.
- **2004-2006 SMP Project:** A breadboard that could be taken to the street was developed that found cast iron joints.
- **2007-2009 OTD Project:** A prototype was tested at several utilities that could also find repair clamps and other features.

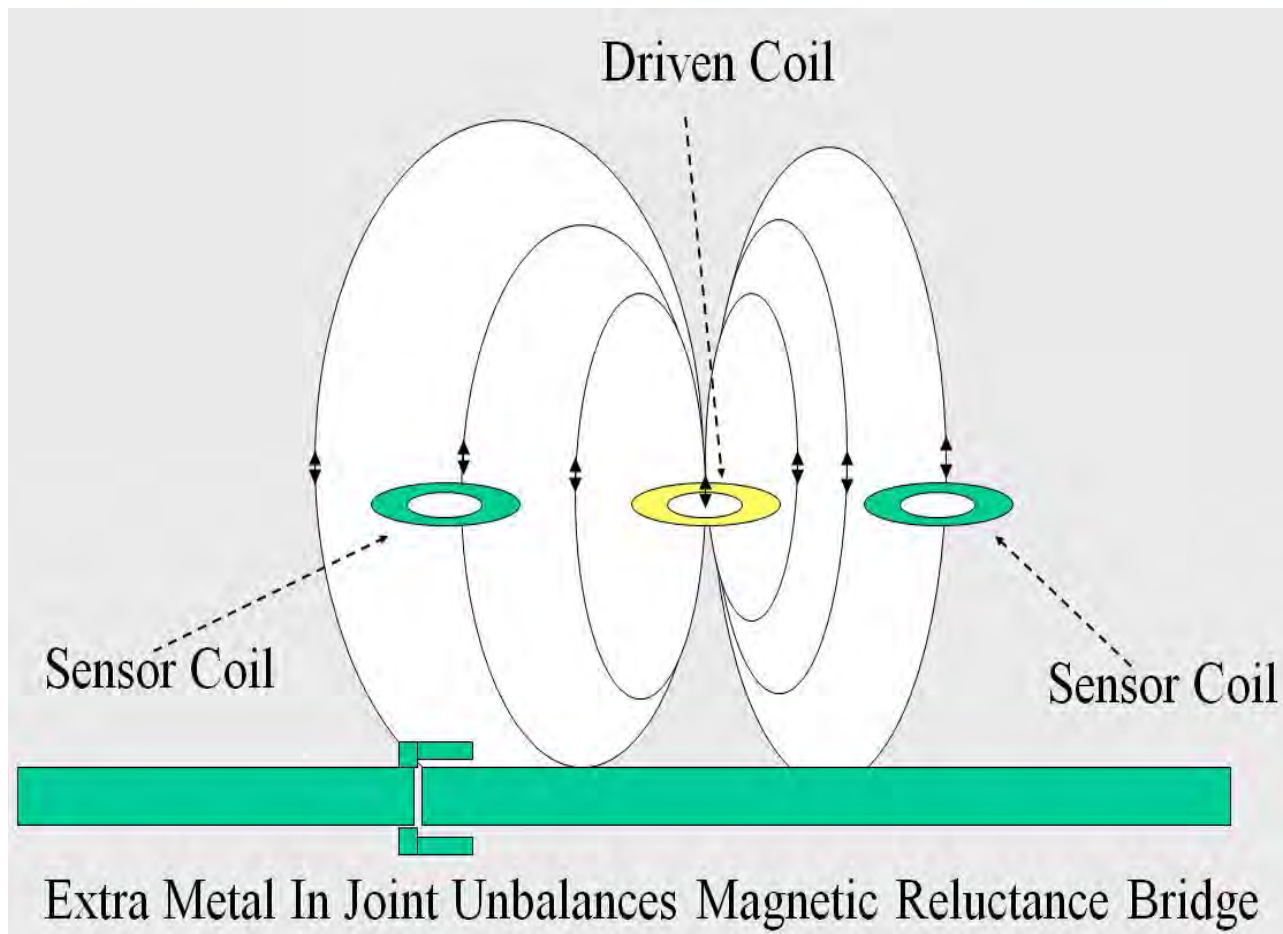
History Cont.



- 2009 GTI Licensed MJL technology to Sensit Technologies for commercialization as the **Ultra Trac™** MJL

Technology

- The Metallic Joint Locator is a differential magnetometer
- MJL detects a change in pipe cross section rather than absolute cross section
- Moving along a featureless pipe gives a steady signal
- Encountering a feature changes the signal





Design

- Light Weight ABS Housing
- Large Sealed Bearing Wheels
- **3 "C" Batteries in Handle**
- Display, Controls and Tick Sounder Located Adjacent to Handle

Design Cont.



- Locates Cast Iron Joint **on 4" at 50" Depth**
- Will Locate:
 - Steel Saddle Tees
 - Steel Mechanical Joints
 - Pipe Plugs
 - Has Found Weld Joints

User Control Interface



Tick Auto Range

Data Save

User Interface



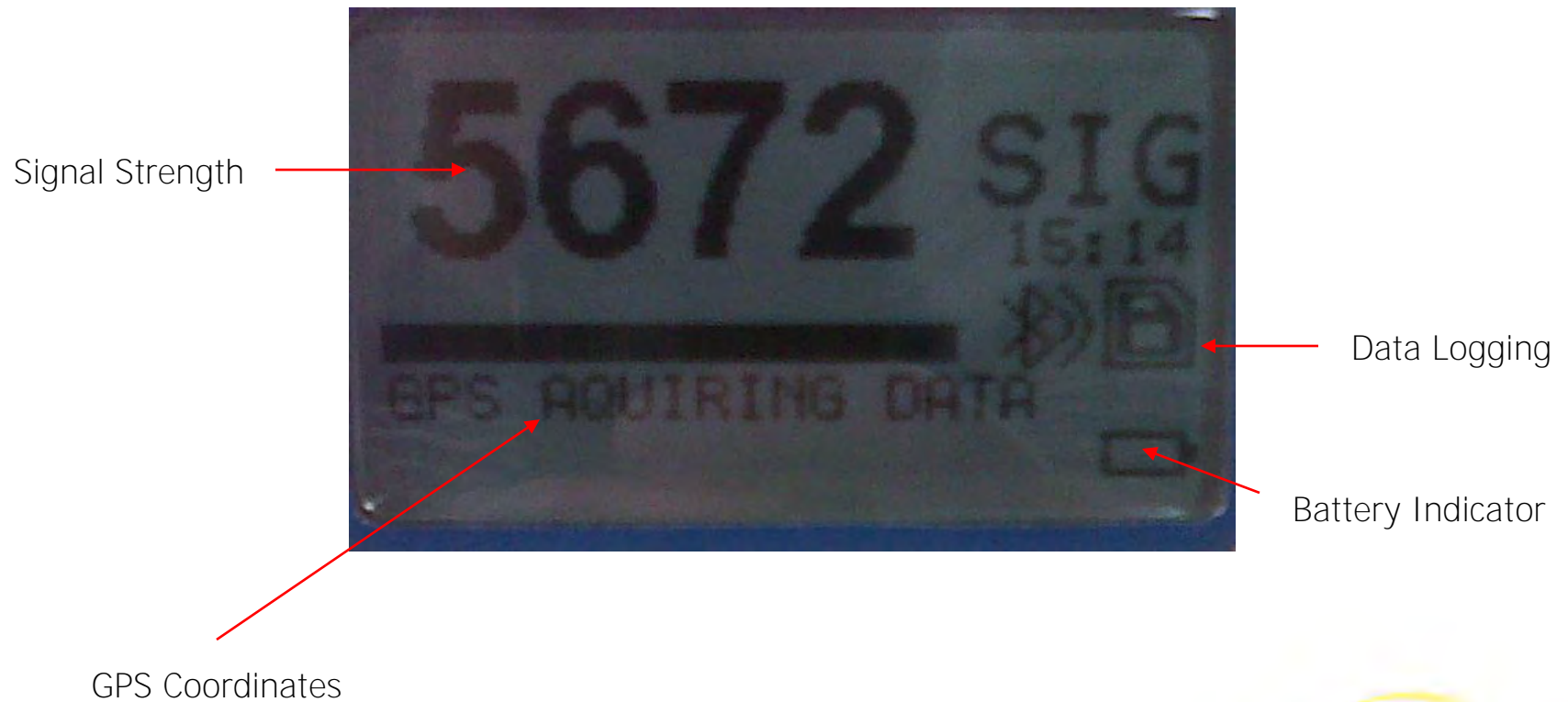
- **Batteries Located in Handle**

3 "C" batteries
provide 12 hours
operation

Remove cover on left
hand grip to
access battery
compartment

- **On/Off Switch Located on Right Side**

Display Icons



Operation

- Locate main via traditional methods (RF locators, mapping, etc.)
- Turn unit on and allow to go through start up sequence.
- Locate unit inline above main and adjust tick/signal output.
- Roll unit along pipe looking for changes in the tick tone and signal output. Increases in both tick rate and signal output indicates an increase in the cross section of the pipe.









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Repair Clamp located by MJL



Flange Joint located by MJL

Questions?