

DTEX ODORANT DETECTION SYSTEM



YZ

DTEX (d'tèx) n, 1. the solution...

The technology involved in detecting odorant level in natural gas has remained stagnant for decades...until now. YZ Industries, the leader in microprocessor based Odorant Injection Systems, brings you the most advanced odorant level detection system available, DTEX.

DTEX incorporates state-of-the-art technology, to ensure the safe use of natural gas for our communities, friends, and families. Since the only acceptable means of detecting the odorant level in natural gas is with the human nose, this is where DTEX begins. But, DTEX is much more than that, DTEX is a System. A system integrating the human nose, the only instrument in the world that can truly smell, with the most advanced electronics available to create and implement a complete odorant level-testing program.

Testing 1...2...3...

DTEX is a small, handheld instrument, which assists the user in accurately quantifying odorant level in natural gas with menu-driven, step-by-step instructions.

"Automatically records test results, and downloads to a PC, DTEX eliminates writing reports..."

Simply press the power key to turn DTEX on, verify the self-diagnostics, and follow the user-prompts. After connecting to the sample point, sniff test completion times typically run 2 to 3 minutes. The DTEX system displays the actual air/gas percentage, eliminating the need for flow tubes and cross-reference charts. With an on-board database of 50 test locations, DTEX can record multiple tests for each test location, including threshold & distinct readings and test comments, such as weather conditions, etc. Then, DTEX goes one-step further by storing up to 100 complete test results electronically. Back at the office the test results can be individually reviewed or downloaded into a PC. It's that simple.

Power to Go...

The DTEX stays on the move. Combining the low-power circuitry with the latest in rechargeable battery technology allows DTEX to operate a minimum of 75-hours, all on a single charge. When connected to the supplied

AC/DC charger, DTEX returns to full capacity overnight. At start-up, the available battery capacity is graphically illustrated on the alphanumeric display. Realizing we all may be forgetful, the microprocessor in DTEX automatically shuts the unit off after a short period of inactivity, saving power and the hassles of recharging or replacing batteries in the field.



State-of-the-art electronics automates the testing process, adding unduplicated accuracy and ease of use.



The Rechargeable Battery Pack provides 75 hours of operation on a single charge and replenishes overnight.

Certified as Intrinsically Safe for Hazardous Locations: Class I, Div. 1, Groups C & D



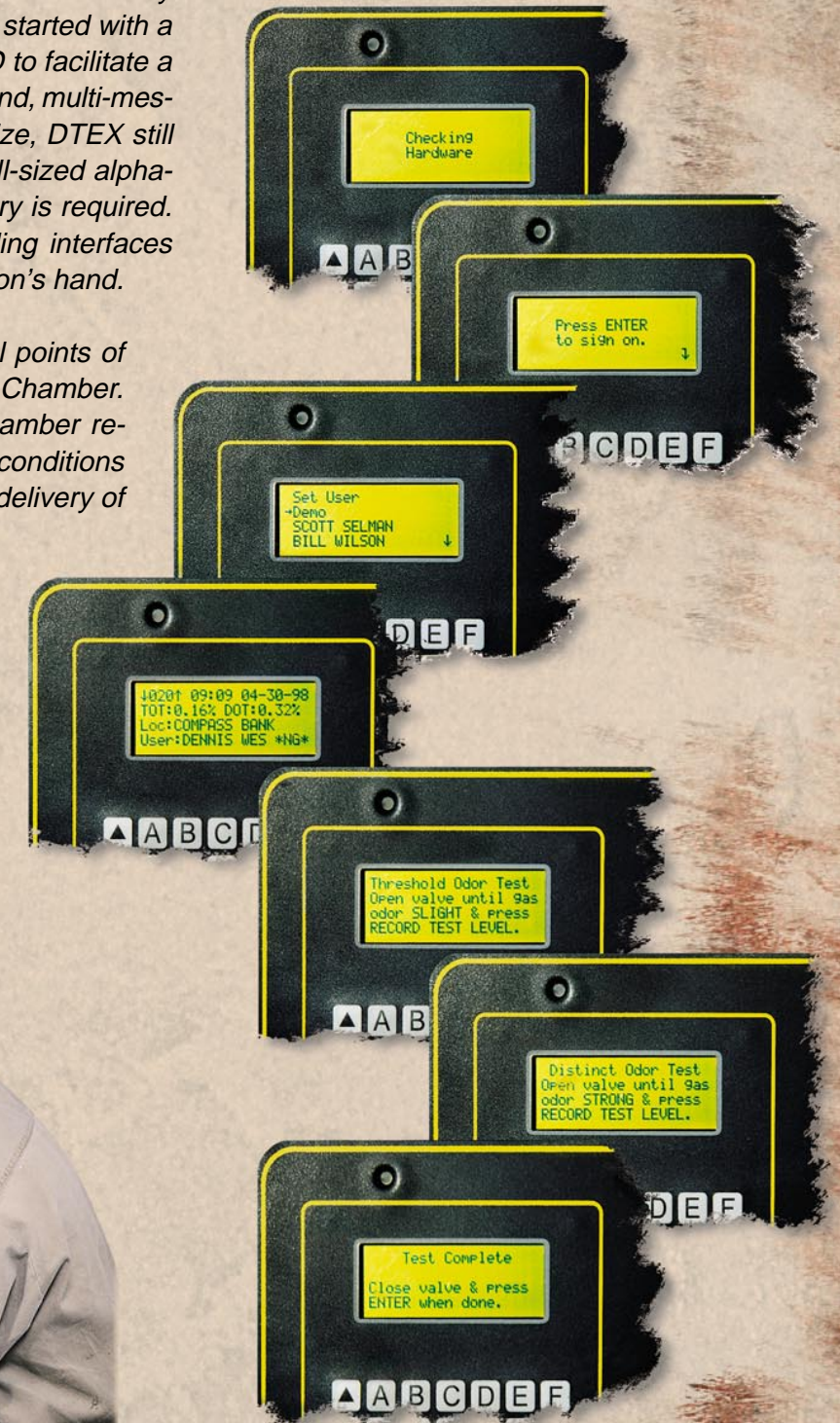
The design of the Regulator/Valve Assembly provides superior flow control essential for Odorant Detection Tests.

Ergonomics (ür'ge - nôm'iks) n. 1. the application of human productivity...

The benefits are obvious. DTEX is built for comfortable interface with a human being, yet retains the ruggedness essential to any proven field instrument. We've started with a large 20 character by 4 line LCD to facilitate a plain-language, easy to understand, multi-message display. While small in size, DTEX still provides plenty of room for a full-sized alphanumeric keypad where data entry is required. All user control and test recording interfaces are placed to naturally fit a person's hand.

Perhaps one of the most critical points of the interface is the DTEX Sniff Chamber. The ergonomically designed chamber reduces the influence of outside conditions and contributes to the accurate delivery of properly blended gas to the olfactory system. The accuracy of the blended sample is a result of the proven proprietary design incorporated into every DTEX System.

A typical test scenario with the alphanumeric display makes DTEX easy to use and understand.



Reporter (re • por • ter) v 1. the power to communicate information...

Starting Today...

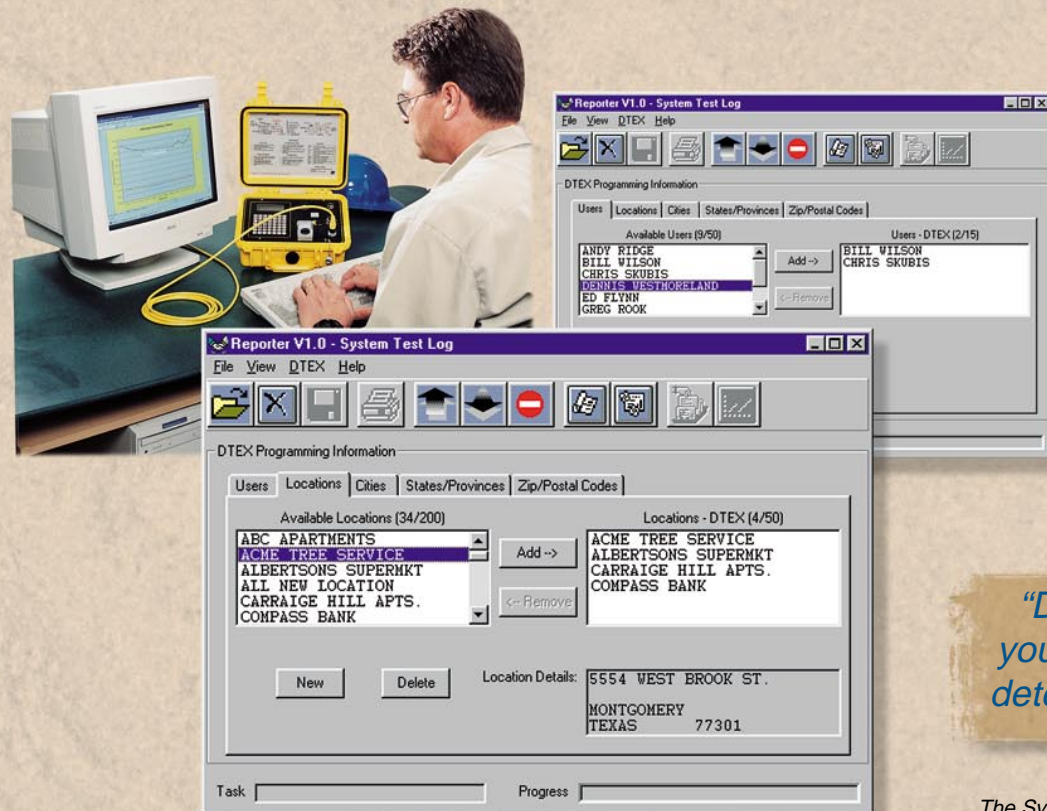
- ...your odorant level detection reports are no longer manually written.
- ...paperwork is history.
- ...trend analysis is graphically displayed.
- ...test sites can be historically reviewed.
- ...your entire odorant test program is at your fingertips.
- ...technician olfactory performance can be benchmarked.
- ...naturally occurring human error has just been reduced.
- ...your odorant level detection program **just moved into the 21st Century.**

The Reporter Software provides the final link between you and total automation in your odorant level detection program. It provides you an available list of test sites and users on your PC or notebook to easily upload to your DTEX then go to the field. No forms to complete, and no repetitive data entry required.

After working all day performing tests, you no longer have to generate hand written reports. With the DTEX System and Reporter Software, you can simply download the test results to your PC, review the data, store it in your database, run analyses, and print the results. Because DTEX can operate as a stand-alone unit or with the Reporter Software Program,

you are provided with previously unheard of flexibility to meet the simplest or most involved odorant level detection program.

Developed using the MS Windows 95/NT™ platform, the Reporter Software uses pull-down menus to easily navigate through the multitude of tasks.



"DTEX will write your odorant level detection reports..."

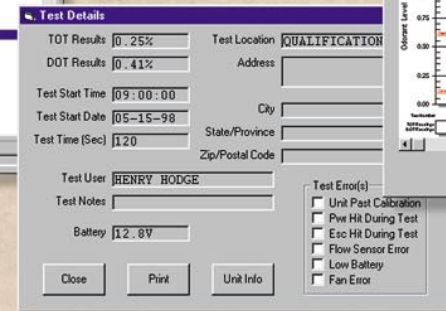
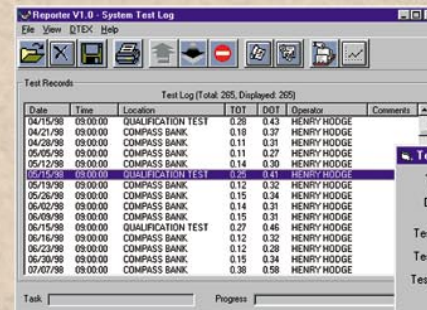
The System Test Log Screen lists each test conducted and allows selection for an in-depth review.

The Reporter Software allows the Technician to select from a list of Locations and Users to upload to DTEX.

The Gas Mixing Chamber thoroughly blends gas and air to ensure that a representative sample is delivered to the technician.

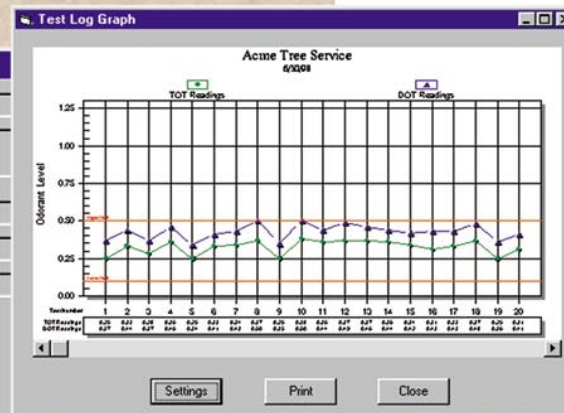


With the Reporter Software olfactory performance can be benchmarked with reporting tools that permit review of a group of tests, a specific test and graphing of historical data.



The Test Details Screen reviews the specifics of the test and indicates operational errors that may have occurred.

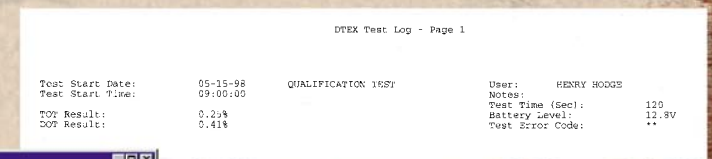
The graphing capabilities of the Reporter Software allow a historical review of the tests conducted at a location.



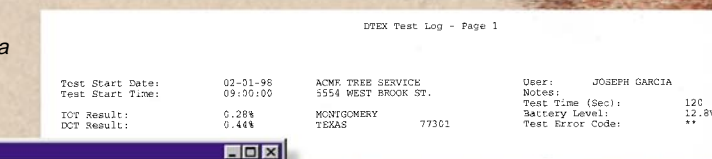
The Reporter Software can support an archive paper-trail with a printed report.

The DTEX System and Components are covered under one or more pending patents.

™ MS Windows, Windows 95, and Windows NT are trademarks of the Microsoft Corporation.



"No forms to complete, and no repetitive data entry required..."





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