INTEGRATED VISUAL DATA TECHNOLOGY INC.
Solutions that lift your business

iVisibility

Equipment Complete Operational Downtimes Reporting

Capture all vehicle operational downtimes in real time and having the same data visible to the operator is the most important management tool to maximize asset utilization and operator productivity

Equipment utilization and operator productivity does not depend on the **vehicle operator alone**, but on the other elements of the material handling system as a whole. The only other explanation of not being able to increase the vehicle utilization is that in addition to unidentify downtimes the “other” elements within the material handling system do not allow better vehicle utilization due to unavoidable idling times as of example such as

- Operator waiting for material
- Scheduling difficulties
- Traffic jams
- Unexpected delays, etc.

Managing What’s Measured

Every time the ignition switch is turned on the iVisibility system is activated.

Vehicle sensors and proprietary software algorithm will detect operational unidentified downtime events automatically, unless the operator input into the system one of the justified downtime cause within predetermined time.

Knowing this information provides managers the opportunity to effectively manage what gets measured in order to address problems.

With a constant measurement of vehicle unidentified and justified downtime events on every forklift, everyday, material handling operation will achieve consistent increase in percentage of vehicle hours utilized

Technical Data

- Voltage from 12 to 55 V DC
- Operating current 250 mA
- Technology, 16 bit micro controller
- 6 Mbit flash memory
- LCD Display, 2 lines x 16 characters, low temperature, super twist
- USB port data extraction
- Miniature strobe ultra bright light, typical brightness: 5300 cd/m
- Announcer module, typical sound pressure 90 dB(A)
- Announcer operating mode, custom recorded message
- Keypad 16 key with tactile feedback
- Real time clock with battery backup

Hydraulic Pressure Transducer

- Port connection, male 1/4”-18 NPT
- Built in pressure snubber
- NEMA 4X protection
- Reverse polarity protection
- Over voltage protection
- Short circuit protection
- Housing material, Stainless steel AISI 303
- Weight 95 grams
- CE conformity, EN61326-203
- Installation, unrestricted

Recording (Excel file format)

- All unidentified operational downtime events (automatic recording)
- Up to five justified downtime reasons (Operator input required)
- OSHA safety check compliance, every 8 or 12 hours or daily
- OSHA safety check start time
- OSHA safety check total time
- Vehicle ID#
- Operator ID#
- Session start times

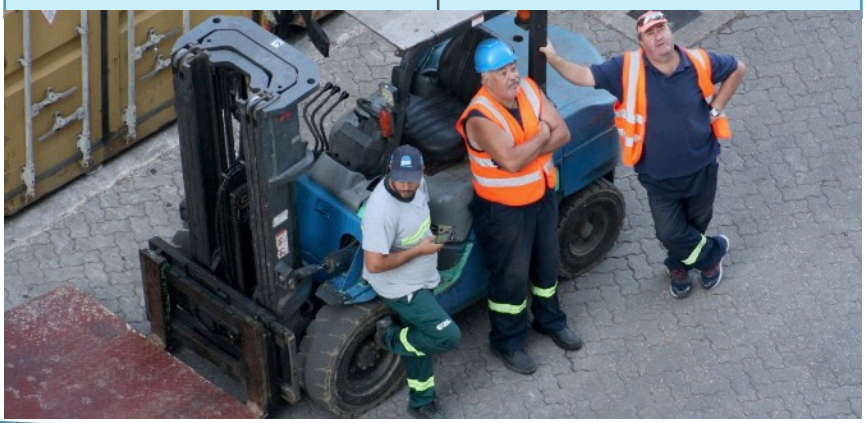
Operator Vehicle Access Control

- Strobe light will be activated until valid operator ID# input
- Voice announcer will be activated until valid operator ID# input
- Recording of all valid ID# inputed into the system
- System valid operator’s ID# capacity is up to 250. Range 1 to 3 digits
- iVisibility operator access function does not disable vehicle operation

Utilization Factor

- Default utilization factor set to 80%
- Utilization factor can be changed by the end user as required

iVisibility System Application

- All kinds of material handling vehicles

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