

**State of California**  
Department of Food and Agriculture  
Division of Measurement Standards

Certificate Number: 5646-11  
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***California Type Evaluation Program  
Certificate of Approval  
for Weighing and Measuring Devices***

**For:**

Taximeter  
Digital Electronic  
Point-of-Sale System  
Model: Contour Mobile Data Terminal

**Submitted by:**

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**Standard Features and Options**

**Contour Mobil Data Terminal (MDT) point-of-sale system**

- Five soft key buttons
- RS232 communication port
- Internal GPRS modem and GPS receiver
- Alpha-numeric display screen

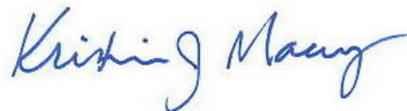
**Hypercom Optimum L4150 Rear Display Terminal**

- Display Active Matrix TFT
- Screen resolution ¼ VGA (320 x 240 pixel resolution)
- Capacitive touch screen
- RS232 communications port (bi-directional)
- Virtual PIN pad on screen
- Magnetic stripe card reader

**Optional Features:**

- External PIN pad
- Ethernet
- USB host
- 16 MB flash/2MB SDRAM memory

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.



Effective Date: February 25, 2011

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Kristin J. Macey, Director

**Wireless Edge**  
**Taximeter Point-of-Sale System/Model: Contour Mobile Data Terminal**

**Application:** Contour MDT point-of-sale system used in vehicles with taximeters that charge for hire at a predetermined rate, negotiated flat rate or rates based upon a combination of time and distance. May be used with approved and compatible taximeters.

**Identification:** The identification information is permanently marked on a self-destructive security label on the top surface of the Contour Mobile Data Terminal.

**Sealing:** The sealing provisions are necessary to provide sufficient protection against metrological parameter changes. The Contour Mobile Data Terminal and Hypercom Optimum L4150 Rear Display do not require sealing provisions. The Contour MDT point-of-sale system may be used with approved and compatible taximeters whose sealing provisions are listed within their Certificates of Approval.

**Operation:** The Contour MDT point-of-sale system is a computer designed specifically for use by taxi drivers to communicate with dispatch operators in the taxi industry. The Contour MDT point-of-sale system has three operational modes. These can be seen in an oval located in the upper right corner of the Contour MDT display. The three operation modes are LOGIN, IDLE, and PICKUP.

**LOGIN Mode**

The driver is able to enter a unique identification number and password. This mode has no metrological functions.

**IDLE Mode**

The Idle mode has five soft key options and none have any metrological significant functions. The taxi driver can select from the following options:

- BOOK gives the dispatch a notice if the taxi is available for booking.
- BID-BD gives the driver access to the bid board. The driver has the option of bidding on new jobs as they arrive.
- MSG shows the driver a list of previous messages. Press DETAILS to view the full message.
- CODE gives the driver the option of entering a two digit code that represents common message responses.
- LOGOFF turns off the communication link of the maintenance data terminal.

**PICKUP Mode**

After the "Hire" button is selected on the taximeter the Contour MDT point-of-sale system presents the PAY soft key option.

PAY allows the driver to add toll cost from bridges and toll roads. Add the amount directly under the TOLL prompt and press the ENTER soft key. The fare plus the tolls will be sent to the rear display. The customer will be prompted to swipe their credit card. Then, they will be prompted to add a tip. Next, they will be prompted to verify the total amount and sign the electronic display. The authorization will come back approved or disapproved. If approved, the driver will be prompted to print a receipt for the customer. The driver may also print a receipt for the merchant.

**Wireless Edge**  
**Taximeter Point-of-Sale System/Model: Contour Mobile Data Terminal**

**Test Conditions:** Two Contour MTD systems were submitted for laboratory evaluation. Both systems consisted of the Contour MTD and the Hypercom rear display. One system was equipped with a Pulsar 2030R taximeter and the other with Centrodyne Silent 600 Series taximeter. No modifications were made to the taximeters. The evaluation emphasis was placed on the device's permanent markings; operational design features; agreement of indications; and receipt format. The Contour MDT systems were evaluated in the laboratory using an electronic pulse generating simulator and a certified stop watch. Several series of tests were conducted for agreement of indications with the taximeter and power interruption.

The results of the evaluation and review of information provided by the manufacturer indicates the device complies with applicable requirements.

**Type Evaluation Criteria Used:** Title 4, California Code of Regulations, 2010 Edition

**Tested By:** Charlie Nelson and Van Thompson



Contour Mobile Data Terminal



Hypercom Optimum L4150 Rear Display