

California Type Evaluation Program
Certificate of Approval
for Weighing Devices

For:

Digital Indicator and Floor Scale Weighing Element
Model: ABS 900
 n_{\max} : 2500
 e_{\min} : 0.2 lb
Capacity: 500 lb
Platform: (See Below)

Accuracy Class: III

Submitted by:

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Standard Features and Options

Weighing element: Weigh-Tronix SC-XXXX-500 (Certificate of Approval Number 3398(b)-90)

Platform dimensions are not to exceed 810 square inches

Semi-automatic zero
Automatic zero setting mechanism
Motion detection
Pound/kilogram conversion (lb/kg key)
Accumulator function
RS485 communication capability
RS232 data communications capability
Operator LCD matrix display
Customer LED display

Options: The Atrax ABS 900 digital indicator consists of:

Operator display: OP900
Customer display: PP900LED
SmartBox: DJB-4
Power pack: UL-1218

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical 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: July 12, 2000

Mike Cleary, Director

Atrax Group NZ Limited
Digital Indicator and Floor Scale Weighing Element
Model: ABS 900

Application: For use in weighing baggage at airline ticket counters.

Identification: The identification label for the ABS 900 is placed on the back of the operator's display. The identification badge for the Weigh-Tronix SC-XXXX-500 is located on the junction box attached to the scale base.

Sealing: The weighing system is sealed with a security seal through a screw and tab securing an access plate. The access plate is located on the back of the operator's display, securing an internal calibration switch.

Operation: This weighing system consists of an Atrax operator display, customer display, "SmartBox", and a Weigh-Tronix weighing platform. Primary indication is provided by the operator's display that receives a digital signal from the "Smart Box" and is designed primarily for use in airline ticket counters to weigh baggage. All keyboard functions are on the operator's display. The SmartBox is permanently secured to the weighing platform and contains the A/D converter and microprocessor.

Test Conditions: This certificate supersedes Certificate of Approval Number 5016-00 and is issued to correct the model number. The previous test conditions are repeated below for reference.

Certificate of Approval Number 5016-00: The Model ABS 900 was submitted for this evaluation. The Weigh-Tronix weighing platform was previously evaluated and therefore was not submitted (Certificate of Approval Number 3398(b)-90). The emphasis of this evaluation was on device design, operation, and compliance with the influence factor requirements. The indicating element remote display and "SmartBox" were interfaced to a load cell simulator and tested for accuracy over a temperature range of -10 °C to 40 °C (14 °F to 104 °F) and 100 VAC to 130 VAC. Additionally, the device was attached to a weighing element and tested for zone of uncertainty, width of zero, discrimination, and automatic zero setting mechanism requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2000 Edition.

Tested By: G. Castro and D. Parks (CA)