



#### Part Number

79-423-05

#### TC-110 Ruggedized Tablet Controller with VITALS® Software, Windows 11 OS

Wachs Utility Products TC-110 Ruggedized Tablet Controller is a solid upgrade to our previous TC-100, now with a more powerful architecture. This new controller now operates on Windows 11 Pro and comes preloaded with the latest version of VITALS® Mobile software. When combined with VITALS® Desktop software it represents the most sophisticated method of controlling your Wachs valve maintenance equipment while simultaneously recording data.

Wachs TC-110 dustproof, water and shock resistant enclosure meets IP68 and tough MIL-STD-810H ratings. It features a bright, sunlight-readable touchscreen display, backlit keypad, front 5 MP and rear 13 MP cameras with LED illumination, output speaker, dual digital microphone input, LED status

lights, USB-A 3.0 and USB-C ports, and a removable 43.2 Watt-hour Li-Ion battery to power you through the day. Wachs TC-110 controller gives you the option to control the equipment wired or wireless via Bluetooth®, helping keep your crew curbside, out of traffic where accidents can occur.

The TC-110 is sold in kit form as part number 79-423-05 and includes the TC-110 tablet controller with battery, stylus with tether, hand strap, AC wall charger, 12V DC vehicle charger, and Wachs dedicated control cable assembly. Designed and assembled in the United States, the TC-110 offers superior build quality and secure data protection. Wachs Utility Products supports the TC-110 with our US based customer service and includes a full one-year warranty against manufacturer defects, with a three year plan optionally available.

#### TC-110 TABLET CONTROLLER

- Microsoft® Windows 11 Pro OS
- Quad Core Intel® N200, 3.7 GHz processor
- Intel® Gen12 UHD graphics
- 8 GB LPDDR5 Ram Memory
- 128 GB PCIe SSD storage
- MicroSDXC card slot

#### DISPLAY

- Active viewing area: 7" (178 mm)
- Resolution: WXGA (1280 x 800)
- High-visibility backlit LCD for sunlight viewability
- Automatic portrait or landscape orientation
- Capacitive multi-touch screen
- Ambient light sensor, compass, accelerometer, gyroscope

#### TOUCHSCREEN

- Capacitive multi-touch interface for use with gloves, small tip stylus, and in wet conditions
- Optically bonded for increased visibility and strength
- Chemically strengthened Dragontrail™ HW cover glass, impact and scratch resistant
- Multi language support for English, French, Spanish, German, and Portuguese

#### WIRELESS CONNECTIVITY

- Bluetooth® Smart Ready wireless technology, v5.3 + EDR, Class 1.5, BLE support
- Wi-Fi 6 802.11 ax, 2.4 GHz and 5 GHz, Wi-Fi 6E

#### KEYPAD

- Adjustable LED backlit keys
- Four-way directional navigation pad
- Windows/Power/Enter key
- Three user-programmable function keys

#### PHYSICAL

- Size: 5.40" W x 8.48" L x 1.36" D (137 x 215 x 35 mm)
- Weight: 1.7 lbs. (770 g)
- Durable, chemical and shock resistant design
- Easy-to-grip, impact absorbing overmolded bumpers
- Lightweight and ergonomic design

#### OPTIONAL ACCESSORIES

- Replacement Vehicle 12VDC Charger 79-110-02
- Replacement / Spare Rechargeable Battery 79-110-14
- Replacement Valve Exerciser Control Cable 79-302-30
- Extended Warranty 3 Year Protection Plan 79-110-17

**WACHS VITALS® SOFTWARE**

**Valve Exercising Control & Datalogging Software**

Wachs Utility Products is class leading in both hardware and software, featuring our exclusive VITALS® software that comes preloaded and only available on the TC-110 Tablet Controller. VITALS, an acronym for Valve Information Tracking and Logging System, is comprised of two modules, Vitals Mobile and Vitals Desktop. Here's how it works: Vitals Mobile on the TC-110 controls Wachs valve exercising equipment, which incorporates motors and sensors under computer control. During operation, the software records and stores valve exercising data, which you can then synchronize with the Vitals Desktop database on your office computer system for record-keeping

and analysis. Vitals Desktop for Windows PC is available as a free download on [turnvalves.com](http://turnvalves.com). VITALS software contains the operating and recordability instructions, the TC-110 tablet controller provides the microprocessor brains and memory.

VITALS offers users the industry's safest and most precise control of valve operation. Digital torque and turn displays provide clear insight into a valve's condition, while the electronic torque sensor records the torque chart. Adjustable control limits include indicators that signal when preset limits are reached, and trigger auto shutdown or auto-reverse to prevent valve damage. VITALS gives you the ability to exercise valves, capture the data, and transfer it to your desktop utilizing the popular Microsoft Access database format.

**VALVE INFORMATION RECORDED**

- Valve Location
- Latitude and Longitude
- Valve Size
- Valve Condition (Open/Closed)
- Valve Type

**VALVE ACTIVITIES RECORDED**

- Date
- Valve ID
- Operator
- Number of Turns
- Direction
- Torque Amount
- Highest Torque
- Begin Time
- End Time



TC-110 power connection plus USB-A and USB-C slots.



Stylus for easier control is stored internally.



Navigation and Programmable buttons offer ease of use.



Long lasting battery changes quickly and easily.