



Redefining Measurement & Calibration Solutions

The Tekneka 660 is a portable pressure calibrator for pneumatic pressure calibration up to 100 bar that generates pressure and has precision control. It is a independent pressure calibration instrument that combines electrical signal measurement and loop power to quickly and conveniently calibrate for extensive on-site calibration.

Using a Dual-stage lever-type hand pump that can generate and control up to 100 bar of pneumatic pressure with an accuracy of 0.02% F.S, then use the built-in volume controller to accurately regulate the pressure with the secondary fine pressure control. The Tekneka 660 also has a Pressure/Vacuum switching valve that generates up to -970 mbar in vacuum mode, which is the best vacuum degree in its class.

The full-graphic touchscreen display, along with an intuitive menu selection, provides excellent visibility and operability. The upper side of the Tekneka 660 is equipped with connectors and adaptors for quick and easy UUT connections.

Electrical connections for Transmitter:

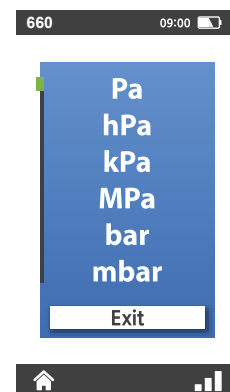
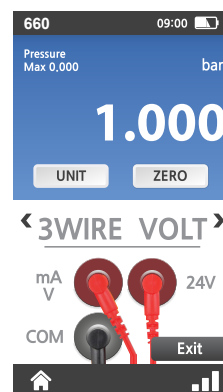
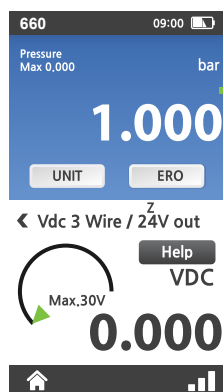
- Measurement up to $\pm 15V$, $\pm 24mA$
 - Power: 24V DC
 - Loop Power
- Pressure switch test, help functions
Pneumatic adaptor set (optional)

Applications:

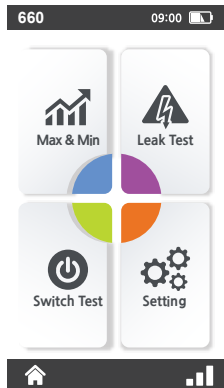
- Calibration of Pneumatic Pressure Gauges
- Testing Pneumatic System Components
- Maintenance and Troubleshooting of Pneumatic Equipments
- Pressure Testing in Research and Development
- Quality Assurance in Manufacturing
- Calibration Services



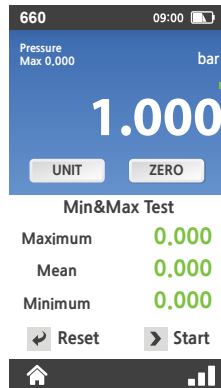
Easy Calibration Task Settings (Touch Screen)



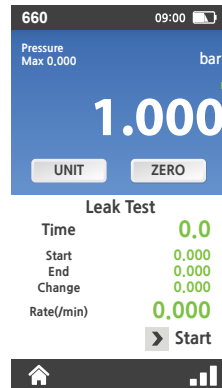
TASK Menu (Advanced Features)



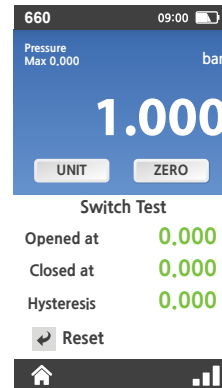
Task Menu



Min/Max Test



Leak Test



Switch Test

General Specifications

Pressure Range	-970mbar to 2bar...100bar
Accuracy	± 0.02% F.S
Electrical Measurements	±15V DC, ±24mA DC, Accuracy ± (0.01% of Reading + 1digit), Loop Power
Sensor Supply Power	Power 24V DC
Display	Full color touch screen LCD, 110mm (4.3") diagonal 480 x 272 pixels
Power	Lithium-ion rechargeable battery, Charger 9V, 6A (use 30 hours on a 5 hours charge)
Operating Temperature Range	0 to 70°C
Storage Temperature Range	-30 to 80°C
Temperature Compensated Range	0 to 50°C
Pressure Units	bar, mbar, Pa, hPa, kPa, MPa, kg/cm ² , psi, mmH ₂ O, cmH ₂ O, inH ₂ O, mmHg, inHg, mSW, fSW (mSW and fSW) units are applied on a water temperature of 15°C with reference to U.S. Navy Dividing Manual, Revision 7, Table 2-10. Pressure Equivalent)
Test Port	1/8" BSPP Female
Weight	4.2kg including batteries
Size	210mm(W) x 360mm(D) x 110mm(H)

Ordering Information

Model (660 - Range) / Description (Portable Pneumatic Pressure Calibrator)

- | | | |
|-----------|-----------|------------|
| • 2 bar | -970 mbar | to 2 bar |
| • 3.5 bar | -970 mbar | to 3.5 bar |
| • 7 bar | -970 mbar | to 7 bar |
| • 20 bar | -970 mbar | to 20 bar |
| • 35 bar | -970 mbar | to 35 bar |
| • 70 bar | -970 mbar | to 70 bar |
| • 100 bar | -970 mbar | to 100 bar |

Accessories



Carrying Case



Rechargeable Battery



Battery Charger



Test Leads Set



'Assembling
External
Pressure
Manifold'

Optional Items



Dirt/Moisture Trap
Up to 100bar



Pneumatic Quick Adaptor Set
(1/8, 1/4, 3/8, 1/2 PT | PF, NPT)



Flexible Tubes
(30cm to 300cm)



External Pressure Manifold