

# We test, You produce

## ERD620

### NEW COMPACT VALVES TESTER

Introducing the revolutionary **ERD620 Compact Valves Tester** designed with cutting-edge advancements in electronic and measurement modules, an intuitive new interface, and a range of innovative accessories, all crafted to elevate your quality control. Inside, you'll find the latest in leak testing technology, delivering the fastest and most accurate leak testing cycles available.

The purpose of the instrument is to generate a pressure ramp and is waiting for an event as a flow appears (ex: opening valve). A ramp down can also detect when valve is closed. The instrument will display the event pressures and compare them to reject levels. As an option the flow event can be replaced by a dry contact event.

#### BENEFITS

- LARGE COLOR DISPLAY
- MAXIMUM PERFORMANCE
- MULTIPLE COMMUNICATION



#### Applications



##### FLOW CONTROL

Opening valves, closing valves with flow detection...



##### LEAK DETECTION

Leaking levels with flow detection...



##### CONTROL

Pressure contact elements...



# ERD620

## NEW COMPACT VALVES TESTER

### Measurement ranges

FLOW MEASUREMENT		
Range l/h	Accuracy	Max. resolution l/h
5	±(2.5%F + 0.005 l/h)	0.0001
30	±(2.5%F + 0.03 l/h)	0.001
80	±(2.5%F + 0.08 l/h)	0.001
150	±(2.5%F + 0.15 l/h)	0.01
500	±(2.5%F + 0.5 l/h)	0.01
1.500	±(2.5%F + 1.5 l/h)	0.1

F=Flow

### Main features

- Flow measurement in direct or indirect testing
- Wide flow measurement range
- USA, S.I. and customer units
- Measurement in standard or customised conditions
- Recalculated flow at the nominal pressure
- Measurement element fully integrated into one module
- 128 programs
- Electronic regulator from vacuum to 10 bar
- setting on line (via USB)
- 2 languages (English + other one)
- Data storage on internal memory or USB key

### Environment

- ROHS standard

### Flexible communication format

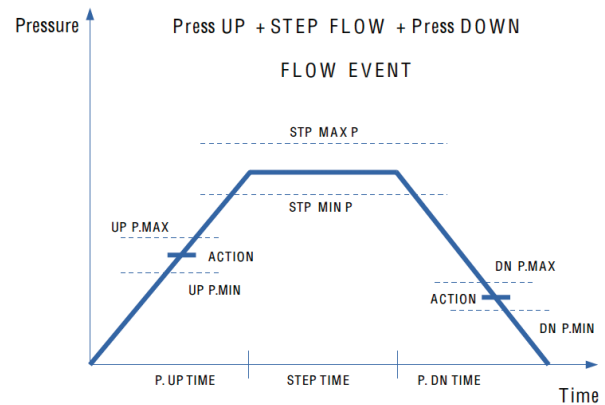
- RS232: Printer, modbus RTU
- Slave USB: PC supervision (WinAteq 300)
- Master USB: USB key to transfert (parameters, results, ...)
- Option Fieldbus: Profibus, devicenet, profinet, Ethernet/IP, Modbus RTU

### Additional:

Time & date, language & units choice, test customisation & more...

### Technical Specifications

<b>Physical</b>	Weight: 8 Kg Dimensions: (WxHxD) 250x150x360 mm
<b>Interface</b>	Graphic color screen with simple and intuitive menu-driven operator controls SMARTKEY: programmable key with user's functions
<b>External electrical supply</b>	24 VDC/2A or 100-240 VAC/50W
<b>Air supply</b>	Clean and dry air required Air quality standard to be applied (ISO 8573-1)
<b>Temperature</b>	Operating: +5°C to +45°C (+41 °F to 113 °F) Storage: 0°C to +60°C (32 °F to 140 °F)



### Option

- 9 inputs / 5 local outputs compatible with 5 series instruments
- 6 inputs/ 6 outputs 24 V programmable for external automation
- External capillary: Close to the test part
- 2 pneumatic outputs for control of sealing connectors
- Memory card for archiving results (400 000)

### Accessories

- Simple remote control TLC 60 connexion I/O
  - Advanced remote control TLC 600 connexion master USB
  - USB key for parameters access
  - Y valve
  - WinAteq 300 software
  - Leak calibrator
  - Master jets
  - Vacuum pump
  - Sealing connectors
- Please refer to ATEQ accessories list



TLC 600  
Remote control



TLC 60  
Remote control



Pneumatic coupler



Master jet



ATEQ USA HQ  
35980 Industrial Rd. Livonia, MI 48150 USA - T.: +1 (734) 838-3100  
F.: +1 (734) 838-0644 - leaktestsales@atequsa.com - atequsa.com

