



## CoM4.Leak-ClosedBox

### Technical Datasheet

The Closed-Box Leaktest System from TetraTec opens up new possibilities wherever small test specimens **cannot be adapted, cannot be tubed, or cannot be opened**. In the robust, drawer-based test chamber, components can be loaded, tested for leaks, and removed fully automatically – quickly and with high process reliability.

<b>Product Name</b>	CoM4.Leak-ClosedBox
<b>Controller</b>	Beckhoff System
<b>Document Status</b>	02.06.2026
<b>Enclosure Size</b>	19" 10 U desktop enclosure without handles

## Measurands and Calibrated Ranges

Measurand	Unit	min	max	Accuracy
Leakage	ml/min	0.1	5	Accuracy: < 0.5% rdg. Uncertainty (k=2): < 1.0% rdg.
Gauge Pressure	bar	0.1	7	0.01% FS
Temperature	°C	0	50	0.15 °C

## Sensors

Sensor Type	Measuring Range	Overload
Gauge Pressure Sensor 0	0 - 16 bar	3 x max. measuring range
PT100 Temperature Sensor	0 - 75°C	max 75 °C
Gauge Pressure Sensor 1	0 - 10 bar	12 bar
Differential Pressure Sensor	-20 - 20 mbar	2 x max. measuring range

## Operating Conditions

Inlet Pressure	max. 10 bar
Inlet Temperature	0 - 50 °C
Humidity	0 - 100% non-condensing

## Ambient Conditions

Temperature	0 to +40 °C
Humidity	0 - 100% non-condensing
Pressure	atmospheric
Protection Rating	IP20

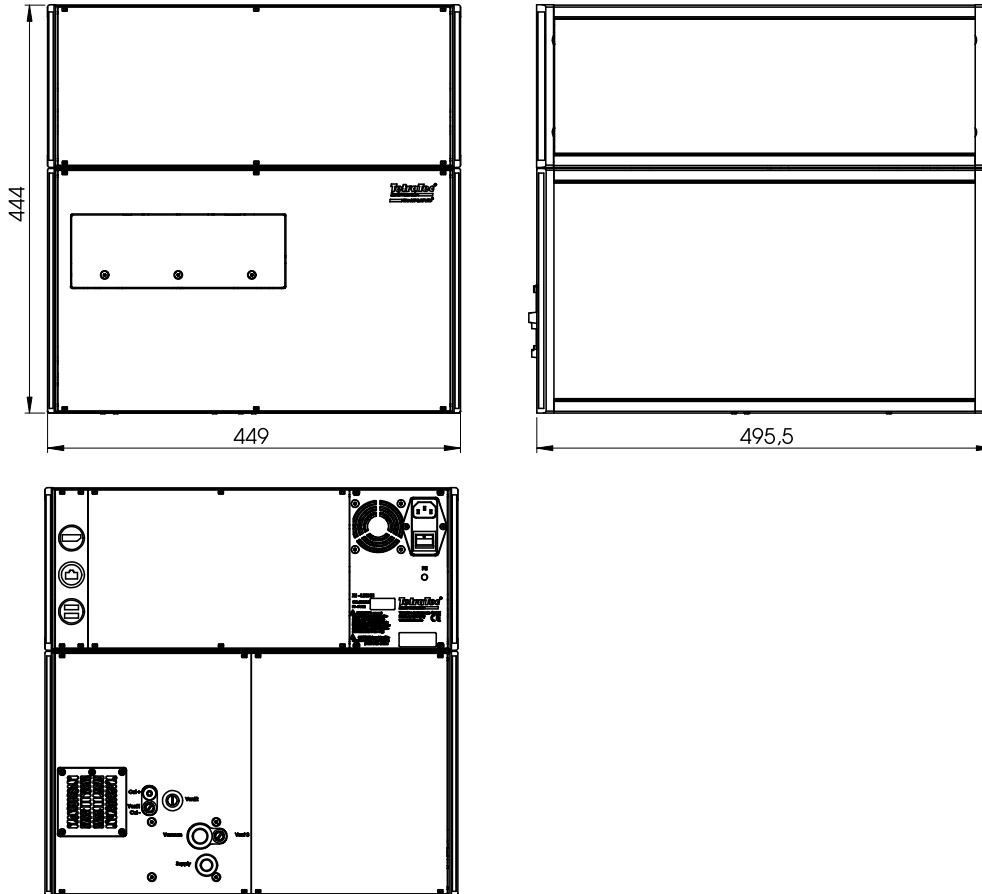
## Media Compatibility

Permissible Media	Clean, dry, non-condensing, non-flammable, non-corrosive gases
Purity Requirements	ISO 8573-1; 5µm filter + oil/water separator required

## Standards and Approvals

Standards	EN 61010-1
Directives	Machinery Directive 89/392

**Mechanical and Electrical Data**



<b>Enclosure</b>	495.5 x 449 x 444 mm
<b>Process Connections</b>	Output drawer for test specimen placement
<b>Display</b>	external monitor with Beckhoff HMI
<b>Power Supply</b>	90-260 VAC / 50/60 Hz
<b>Power Consumption</b>	max 80 W
<b>EI. Connections</b>	IEC connector
<b>Weight</b>	28 kg

## Interfaces

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<b>Communication</b>	Ethernet, USB 2.0 (Type A - for updates)
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## Options and Variants

- Enclosure variants: desktop enclosure or rack enclosure (if applicable, also with handles)
- Integration of mechanics into production line