



GLOVE TESTER

TECHNICAL
DATA SHEET

SPECIFICATIONS

Glove Tester

The **Glove Tester** is designed to verify the leak tightness of gloves installed in oval or round glove ports. The test is based on a pneumatic pressure decay method, consisting of glove pressurisation to a predefined pressure, measurement of pressure loss and automatic evaluation of the test result. Pressure is measured by a digital pressure sensor with a measurement range of **0–4,000 Pa**.

The tester requires no special maintenance.

Application:

- **isolator**
- **RABS**
- **Microbiological safety cabinets**

Validation: FAT/SAT, IQ/OQ, Calibration Certificate

STANDARD VARIANTS

1. OVAL glove tester – without display (YTR-O-0- 180x270)	Intended solely for ports measuring 180 × 270 mm (W×H). For use only in conjunction with an isolator.
2. OVAL Glove Tester – with display (YTR-O-1- 180x270)	Designed exclusively for ports measuring 180 × 270 mm (W×H). Supplied as a stand-alone unit.
3. ROUND Glove Tester – without display (YTR-K-0-300)	Designed only for ports with a diameter of Ø 300 mm. For use only in conjunction with an isolator.
4. ROUND Glove Tester – with display (YTR-K-1-300)	Designed only for ports with a diameter of Ø 300 mm. Supplied as a stand-alone unit.

Model code – ordering instructions

YTR	- O	- 1	- 180x270
Dimensions of the sleeve flange (WxH): 180x270 mm, Ø 300 mm			
0 – without a display, 1 – with a display			
O – oval shape, K – round shape			
YTR – glove tester			

CONSTRUCTION MATERIAL

Lower body of the tester:	POM-C
Upper body of the tester:	POM-C
Upper cover plate:	AISI 304 with SB finish
Flanges for gloves:	POM-C
Quick-connect coupling:	AISI 304
Buttons:	PA
Handle:	Glass fibre-reinforced polyamide-based technopolymer (PA)
Fasteners:	A2 stainless steel
Inflatable seal:	Silicone

OVAL glove tester



without display



with display



Sleeve flange

GLOVE TESTER, ROUND



without display



with display



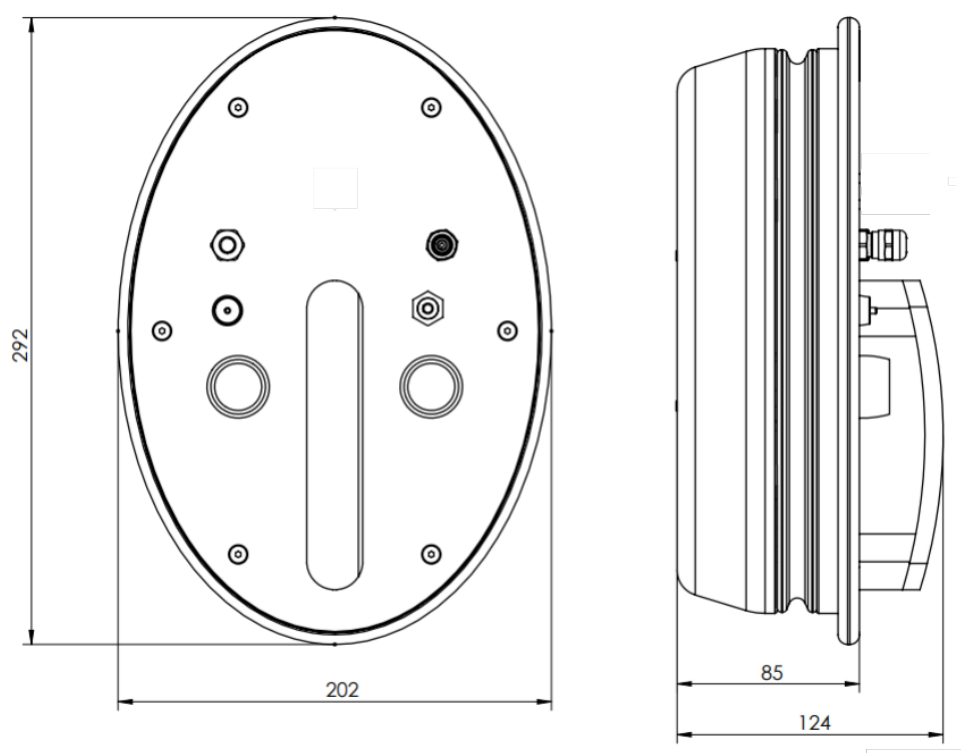
Glove flange

TECHNICAL PARAMETERS

var. no. 1



Product name	OVAL Glove Tester – without display - for use only in conjunction with an Isolator
Product type	YTR-O-0-180x270
Dimensions (WxHxD)	202 mm x 292 mm x 124 mm
Weight	2.1 kg



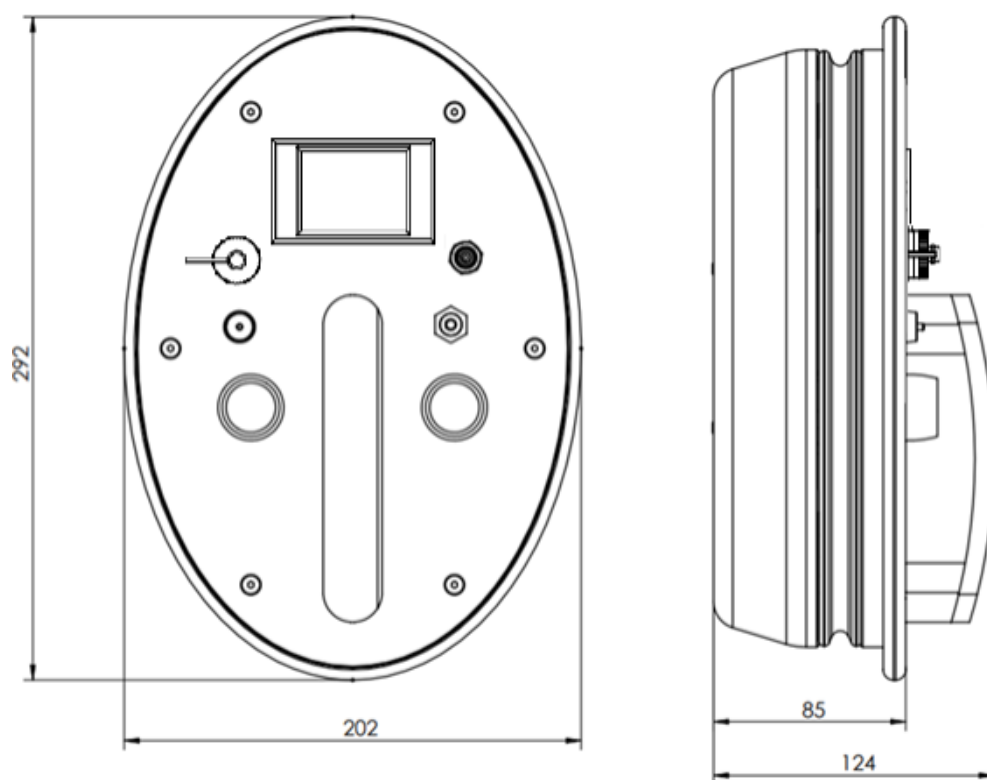
OPERATING PARAMETERS

Compressed air	Max. 1.5 bar
Power supply	5 V DC
Protection rating	IP44
Operating temperature	0–40 °C

Item No. 2



Product name	OVAL Glove Tester – with display
Product type	YTR-O-1-180x270
Dimensions (WxHxD)	202 mm x 292 mm x 124 mm
Weight of the device	2.1 kg
Electrical system	Control panel – Dwyer



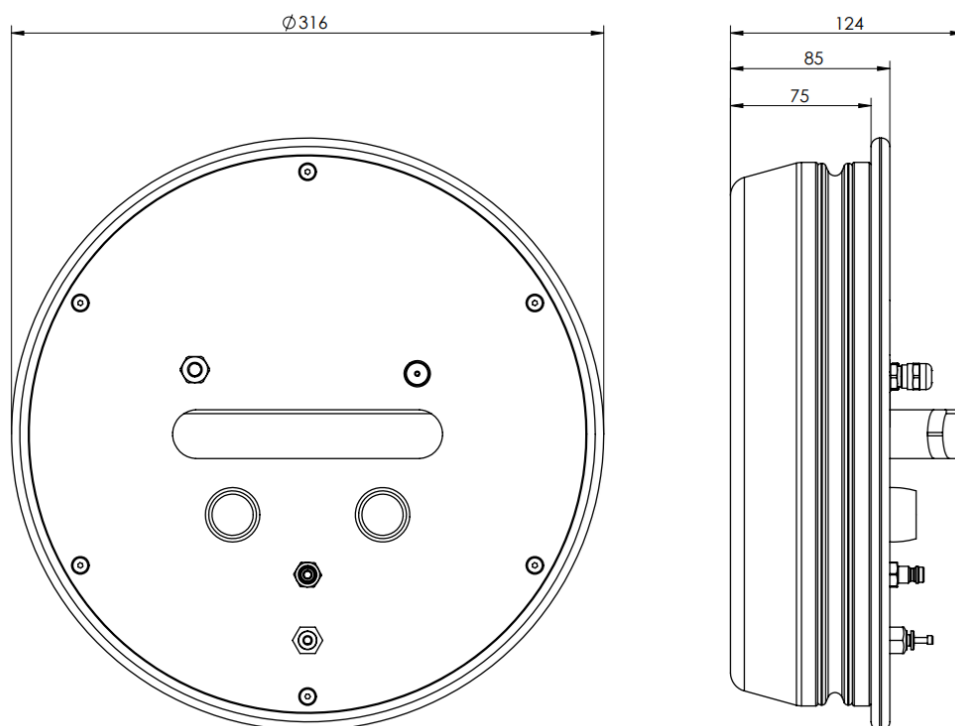
REQUIREMENTS FOR CONNECTION

Compressed air	Max. 1.5 bar
Power supply	5 V DC
Operating temperature	0–40 °C

Item No. 3



Product name	ROUND Glove Tester – without display - for use only in conjunction with an isolator
Product type	YTR-K-0-300
Dimensions (Ø x L)	316 mm x 124 mm
Weight	3.5 kg

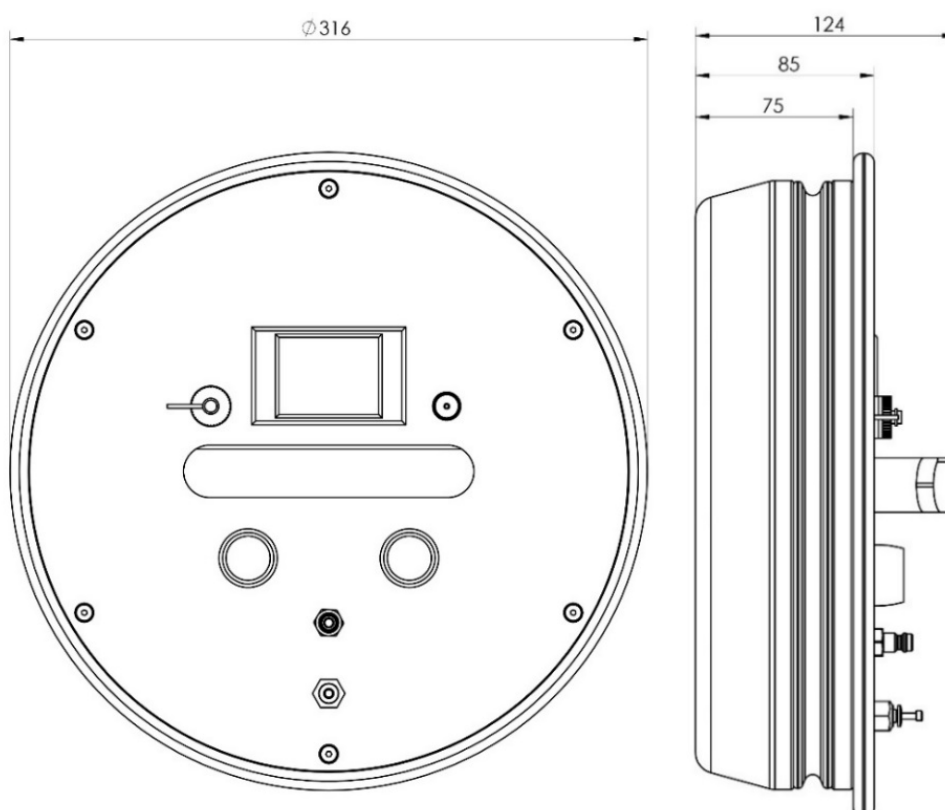


REQUIREMENTS CONNECTION

Compressed air	Max. 1.5 bar
Power supply	5 V DC
Protection rating	IP44
Operating temperature	0–40 °C

Item No. 4

Product name	ROUND Glove Tester – with display
Product type	YTR-K-1-300
Dimensions (Ø x L)	316 mm x 124 mm
Weight of the device	3.5 kg
Electrical system	Control panel – Dwyer

**REQUIREMENTS
FOR CONNECTION**

Compressed air	Max. 1.5 bar
Power supply	5 V DC
Operating temperature	0–40 °C

TECHNICAL SPECIFICATIONS

Pressure range	0–1.5 bar
Measurement accuracy	1% ± 2 Pa
Sensor resolution	0–4,000 Pa
Test duration	1 min
Leak detection limit	0.8 mm
Sensor type	Differential pressure module
Recommended calibration interval	Once a year

TYPES GLOVES

Material	Thickness
CSM	0.4 mm, 0.6 mm
Neoprene	0.5 mm

CONTROL SYSTEM

Control type	Button
Data output	0–10 V
Export option	Only for variants 1 and 3

NON-STANDARD VARIANTS

	Dimensions (WxHxD)
YTR-O-1 – 220 x 370	242 mm x 392 mm x 124 mm

REPLACEMENT PARTS

	Type		Reg. No.
Seal	Inflatable seal TR-180X270, SEP46A	Variants 1 and 2	560104478
	TR-D300 inflatable seal, SEP46A	Variants 3 and 4	560104623

ACCESSORIES AT EXTRA COST



Pressure-reducing valve: Festo – MS2-LFR-QS6- 8086644
For regulating and filtering compressed air

Type: pneumatic regulator
Pressure: , max. 5 bar
Standards: RoHS, ISO 8573-1:2010 (7:4:4), ISO 8573-1:2010 (6:4:4)

STANDARDS AND CERTIFICATIONS

EU Directives:	• 2006/42/EC – Machinery Directive • 2014/30/EU – Electromagnetic Compatibility (EMC) • 2014/35/EU – Low Voltage Directive (corresponds to Government Regulation No. 118/2016 Coll.)
Czech legislation:	• Government Regulation No. 176/2008 Coll. – technical requirements for machinery • Government Regulation No. 117/2016 Coll. – Electromagnetic Compatibility • Government Regulation No. 118/2016 Coll. – low-voltage electrical equipment • Government Regulation No. 433/2022 Coll. – protection against noise and vibrations • Act No. 22/1997 Coll. – technical requirements for products • Act No. 387/2024 Coll. – General Product Safety • Act No. 541/2020 Coll. – Waste
Technical standards:	• EN 60204-1 – Safety of machinery • EN 12469 (where applicable to the type of equipment in question) • ISO 14644-7 (including Annex E) • ISO 12100
Company certification:	• EN ISO 9001:2015 – quality management system • EN ISO 14001:2015 – environmental management • ISO 45001:2018 – occupational health and safety management system