

Appendix to the Requirements Specification

The participants of the Bid should provide the following information in the table:						
- Name of the proposed product						
- Technical specifications						
- Quantity						
- Manufacturer's name						
- Country of manufacturer						
- Photo of the proposed product						
No	Description	Technical specifications	UOM	QTY	Application	Photo sample
1	Pneumatic pressure calibrator (One piece for using oxygen instruments) 0 - 20 bar	DPI104 and PV211-104 Pneumatic Pump Pneumatic Test Kit Digital pressure gauge 5 digit display Pressure measuring range: -1 to 20 bar Accuracy: 0.05% of URL Pressure units: kPa, MPa, kg / cm ² , psi, mbar, bar, inHg, inH ₂ O, mmH ₂ O, mmHg Temperature compensation from -10 ° C to 50 ° C Connection: G1 / 4 / Pneumatic pump PV211A / Range -0.85 ... 40 bar / Lightweight but high quality universal pump for creating pressure and vacuum. 1. Generation of high pneumatic pressure with minimal effort 2. High resolution / 4. Double-acting pump: pressure and vacuum 5. Built-in fine adjustment regulator / 6. Needle valve allows high-precision control of pressure release / 7. Switch for selecting the "Pressure-Vacuum" operating mode 8. Ergonomic design of handles 9. Adjustable stroke pcs. 1 / 10. Rapid pressure build-up - up to 7 bar in 4 strokes. / 11. Ranges: Pressure 0... 20 bar Vacuum 0... -0.95 bar / 12. Materials: Nickel-plated brass, anodized aluminum, bronze, nitrile seals, nylon hose 13. Scope of delivery includes: a. Pressure relief valve / b. Precise pressure setting screw / c. Pressure-Vacuum setting valve / d. Quick connector / e. Flexible nylon hose Ø3 mm x 1 m / f. 1 / 4NPT female adapter g. / Piston drive handles / h. Handle travel adjuster i. Outlet nipple 1 / 4NPT for installation of a reference gauge / j. O-ring Scope of delivery: DPI 104 Digital pressure gauge / Pneumatic pump PV211 / Instrument transport case. Flexible nylon hose / * Adapter kit / Metal rubber O-ring kit	ea.	1	0 - 20 bar Used as pressure standards for verification, calibration, adjustment and calibration of high-precision pressure sensors, pressure difference, pressure standards, flow calculators and measuring systems.	
2	Portable pneumatic pressure calibrator 0 - 200 bar	DPI104 and PV212 hydraulic pump PV212-104 Hydraulic Test Kit Digital pressure gauge 5 digit display / Pressure measurement range: 0 to 200 bar / Accuracy: 0.05% of URL / Pressure units: kPa, MPa, kg / cm ² , psi, mbar, bar, inHg, inH ₂ O, mmH ₂ O, mmHg / Temperature compensation at temperatures from -10 ° C to 50 ° C / Connection: G1 / 4 Hydraulic pump PV212 Range 0 ... 700 bar / 1. Compatible with distilled water or mineral oil. / 2. Fast filling of the system. / 3. Safety valve 4. Fine adjustment knob. 5. Fast filling and high pressure generation up to 120 bar. 6. The relief valve provides accurate adjustment when the pressure is released. 7. 11. Ranges: 0-200 bar 8. Materials: St. steel, brass, nickel-plated brass, Pyrex™, nitrile, polyurethane and PTFE. 9. The package includes: a. Pressure relief valve b. Fine tuning dial c. Low / High pressure switch d. Rear safety valve port e. Safety valve f. Adapter 1 / 4NPT female / g. Pump handles h. Filler neck i. Liquid inlet tube j. Fluid reservoir j. O-ring. Scope of delivery: DPI 104 Digital pressure gauge / Hydraulic pump PV212 / Safety valve 200 bar / Carrying case for devices hose / BSP adapter set / Metal rubber O-ring set	ea.	1	измерительных комплексов. 0 - 200 bar Used as pressure standards for verification, calibration, adjustment and calibration of high-precision pressure sensors, pressure difference, pressure standards, flow calculators and measuring systems.	
3	Pneumatic pressure calibrator (One piece for using oxygen instruments) 0 - 120 bar	CPP120 Pneumatic pump comparator calibration range 0 -120 bar 1. Creation of a reference pressure for calibration, verification and testing on-site of measuring instruments and in laboratories 2. For calibration, verification or adjustment of all types of pressure measuring instruments 3. Creation of a reference pressure of up to 120 bar on a pneumatic medium in oratories, industrial premises 4. Features -High-precision handwheel for pre-filling, creating and adjusting to the required pressure-Free positioning socket for connecting the tested measuring instrument-Two valves for inlet pressure and outlet pressure or vacuum -Infinitely variable pressure flywheel - "Proven technology of the CPB3500 deadweight tester" -Port for connecting external overpressure of gas or vacuum -Light weight -Compact size 5. The connection sockets have union nuts with a G 1/2 thread. For adapting measuring instruments with other threads, other adapters are available on request	ea.	2	Used as pressure standards for calibration, verification, adjustment and calibration of high-precision pressure sensors, pressure difference, pressure standards, flow calculators and measuring systems.. 0 - 120 bar	
4	Hydraulic Pressure Calibrator (0-1000) bar	Hydraulic pump (calibrator) up to 1000 bar (Manufacturer Additel) Hydraulic pump (calibrator) up to 1000 bar / Model ADT928 high quality pump is designed with precise pressure setting with a resolution of 0.1 kPa to generate pressures ranging from -0.085 MPa to +100 MPa. The pump is designed to compensate for ambient temperature to maintain a stable pressure during calibration / verification. A specially designed pump shut-off valve maintains a stable pressure throughout the calibration / verification procedure. The pump adapters and connections are easily screwed in and out by hand without the use of any additional means and seals. The ADT928 is the ideal pump for calibrating / verifying SI pressure. Smooth pressure build-up and release without much effort / Pressure range: -85kPa ÷ 100MPa / Pump filling the system, setting the initial pressure (coarse) Double-piston pressure generation pump (Precise pressure setting Fine tuning piston volume: 0.9ml / Pressure regulation accuracy: 0.1kPa / Working medium: oil or water / Working volume of the reservoir: 150 ml Connection: 1 / 4NPT; 1 / 4BSP; M20x1.5 (by hand) / Scope of delivery: Hydraulic pump / Plastic container for filling the pump / O-ring set (20 pcs) / Instruction manual	ea.	1	Used as pressure standards for calibration, calibration, adjustment and calibration of high-precision pressure sensors, pressure difference, pressure standards, flow calculators and measuring systems.	
5	Pneumatic differential pressure calibrator - 0,850 / 7 bar	Pneumatic Pressure Calibrator • Display - 5-digit LCD display with simultaneous display of pressure and current / • Fixation of min and max values, saving the result / • Built-in pressure reference pump / Pressure measurement with built-in pressure sensor / Range: from -0.850 / 7 bar / Accuracy: 0.025% URL / Current measurement / Range: 0 to 24 mA / Accuracy: 0.015% IV +1 least significant unit. / Resolution: 0.001mA / Maximum voltage -30 volts Power supply - 9V ANSI / NEDA 1604A / Battery runtime - 4-20 hours, depending on mode used / 1/8 NPT pressure input. Scope of delivery: Calibrator / 1/8", 1/4", 1/2" quick disconnect connectors with stock hoses. Yellow protective case with storage compartment for test leads / Manual (in 14 languages) / Test leads with clips crocodile type. Two 9V alkaline batteries	ea.	3	Used as pressure standards for calibration, calibration, adjustment and calibration of high-precision pressure sensors, pressure difference, pressure standards, flow calculators and measuring systems	
6	Pneumatic pressure calibrator 0 to 200 bar	Pneumatic pump (calibrator) with a set of adapters Pneumatic Pump (Calibrator) up to 200 bar / Series 920 and 920HV Comparative Calibration Hand Pump are designed for pressures ranging from 95% vacuum to 200 bar. Thanks to the long lever, it only takes 40 seconds to reach 200 bar. The high displacement (HV) pump model allows for additional flow. / A high-quality screw pump is designed for fine pressure control with a resolution of up to 10 Pa. A specially designed shut-off valve allows the calibration to ensure the highest possible pressure stability. An integrated gas-liquid separator protects the pump from moisture and dirt, reducing the need for maintenance. Residual liquid that has penetrated into the pump from the tested devices is collected and expelled from it when the pressure is released. The pump is equipped with two hand-tightened quick couplings. They make it easy to connect and disconnect the test pump without the use of sealing tape or wrenches. Pressure generation range 0 to 200 bar / Regulation resolution: 10 Pa (0.1 mbar) / Medium: air / Connection: 1/4", 1/2" NPTF or 1/4 BSP F or M20 * 1, 5 for / calibrated / verified pressure measuring instrument - 1/4", 1/2" NPT F or 1/4 BSP F or M20 * 1.5 for standard pressure measuring instrument / ADT 102 Professional set of adapters / Delivery set: Aditel 920 Pneumatic pump / O-rings: 20 pcs / ADT 102 Professional set of adapters / Instruction manual	ea.	1	Used as pressure standards for calibration, calibration, adjustment and calibration of high-precision pressure sensors, pressure difference, pressure standards, flow calculators and measuring systems	
7	Portable pneumatic pressure calibrator 0-210 bar	Comparator, 21 MPa Range, NPTB set includes / Pump / Comparator, Canvas Carrying Bag, Fast Service Kit for High Pressure Pneumatic Devices (Pump Seals), Dry Pac Refill Silicone Grease, High Pressure Hose, Test Port Adapters Accessories: Pneumatic High Pressure Calibration Manifold 21 MPa, Premium High Pressure Fittings, NPT, 21 MPa Fittings included: 3/8" NPT, 1/2" NPT, 1/8" NPT, 1/4", NPT, grommets, male and female. ADT680 Digital pressure gauge, range 200 / 210bar, error 0.1% URL - 2 pcs.	ea.	1	For calibration of pressure transmitters 0-210 bar	
8	Digital Reference Pressure Gauge (One for using oxygen instruments)	Digital Pressure Gauge Measured pressure range from -1 to 2.5 bar / Accuracy up to ± 0.02% FS Temperature compensation from -10 ° C to + 50 ° C / 5-digit easy-to-read backlit display / Large selection of pressure units 1/2 NPT connection, Power supply: One 9V alkaline battery (included) Battery life: ~ 300 hours (10 reads / s), 600 hours (3 reads / s), or 6000 hours (1 read / 10s) / Auto shutdown: after 60 min. Auto shutdown can be disabled / Operating conditions / Operating temperature: -10 ... 50 ° C Storage temperature: -20 ... + 70 ° C / Humidity: <90% non-condensing Scope of delivery: Digital pressure gauge / 9V battery User's manual	ea.	2	For verification and calibration of technical pressure gauges	
9	Digital Reference Pressure Gauge (One for using oxygen instruments)	Digital Pressure Gauge Measured pressure range from 0 to 7 bar / Accuracy up to ± 0.02% FS Temperature compensation from -10 ° C to + 50 ° C / 5-digit easy-to-read backlit display / Large selection of pressure units 1/2 NPT connection, Power supply: One 9V alkaline battery (included) Battery life: ~ 300 hours (10 reads / s), 600 hours (3 reads / s), or 6000 hours (1 read / 10s) / Auto shutdown: after 60 min. / Auto shutdown can be switched off / Operating conditions / Operating temperature: -10 ... 50 ° C Storage temperature: -20 ... + 70 ° C / Humidity: <90% non-condensing Scope of delivery: Digital pressure gauge / 9V battery Operating instructions	ea.	2	For verification and calibration of technical pressure gauges	
10	Digital Reference Pressure Gauge (One for using oxygen instruments)	Digital Pressure Gauge Measured pressure range from 0 to 20 bar / Accuracy up to ± 0.02% of URL Temperature compensation from -10 ° C to + 50 ° C / 5-digit easy-to-read backlit display / Large selection of pressure units 1/2 NPT connection, Power supply: One 9V alkaline battery (included) Battery life: ~ 300 hours (10 reads / s), 600 hours (3 reads / s), or 6000 hours (1 read / 10s) / Auto shutdown: after 60 min. / Auto shutdown can be switched off / Operating conditions / Operating temperature: -10 ... 50 ° C Storage temperature: -20 ... + 70 ° C / Humidity: <90% non-condensing Scope of delivery: Digital pressure gauge / 9V battery Operating instructions	ea.	2	For verification and calibration of technical pressure gauges	
11	Digital Reference Pressure Gauge (One for using oxygen instruments)	Digital Pressure Gauge Measured pressure range from 0 to 70 bar / Accuracy up to ± 0.02% FS Temperature compensation from -10 ° C to + 50 ° C / 5-digit easy-to-read backlit display / Large selection of pressure units 1/2 NPT connection, Power supply: One 9V alkaline battery (included) Battery life: ~ 300 hours (10 reads / s), 600 hours (3 reads / s), or 6000 hours (1 read / 10s) / Auto shutdown: after 60 min. / Auto shutdown can be switched off / Operating conditions / Operating temperature: -10 ... 50 ° C Storage temperature: -20 ... + 70 ° C / Humidity: <90% non-condensing Scope of delivery: Digital pressure gauge / 9V battery Operating instructions	ea.	2	For verification and calibration of technical pressure gauges	
12	Digital Reference Pressure Gauge (One for using oxygen instruments)	Digital Pressure Gauge Measured pressure range from 0 to 140 bar / Accuracy up to ± 0.02% of URL Temperature compensation from -10 ° C to + 50 ° C / 5-digit easy-to-read backlit display / Large selection of pressure units 1/2 NPT connection, Power supply: One 9V alkaline battery (included) Battery life: ~ 300 hours (10 reads / s), 600 hours (3 reads / s), or 6000 hours (1 read / 10s) / Auto shutdown: after 60 min. / Auto shutdown can be switched off / Operating conditions / Operating temperature: -10 ... 50 ° C Storage temperature: -20 ... + 70 ° C / Humidity: <90% non-condensing Scope of delivery: Digital pressure gauge / 9V battery Operating instructions	ea.	2	For verification and calibration of technical pressure gauges	
13	Digital Reference Pressure Gauge (One for using oxygen instruments)	Digital Pressure Gauge Measured pressure range from 0 to 250 bar / Accuracy up to ± 0.02% of URL Temperature compensation from -10 ° C to + 50 ° C / 5-digit easy-to-read backlit display / Large selection of pressure units 1/2 NPT connection, Power supply: One 9V alkaline battery (included) Battery life: ~ 300 hours (10 reads / s), 600 hours (3 reads / s), or 6000 hours (1 read / 10s) / Auto shutdown: after 60 min. / Auto shutdown can be switched off / Operating conditions / Operating temperature: -10 ... 50 ° C Storage temperature: -20 ... + 70 ° C / Humidity: <90% non-condensing Scope of delivery: Digital pressure gauge / 9V battery Operating instructions	ea.	2	For verification and calibration of technical pressure gauges	
14	Reference pressure gauges (one for using for oxygen instruments)	measuring range from -2,5 to 2,5 bar. Connection: 1/2 NPT radial nipple Scale 400 conditional units - for accuracy classes 0.15 and 0.25. Division value - 1 conventional unit. Case diameter - 250 mm, IP min 65, Case - stainless steel, Glass - technical, shockproof protection, Zero corrector built into the mechanism, adjusting screw on the dial of the device, Ambient temperature -20 ... +60 ° C	ea.	2	For verification of pressure gauges, vacuummeters, manivacuummeters and differential pressure gauges.	
15	Reference pressure gauges (one for using for oxygen instruments)	measuring range from 0 to 6 bar. Connection: 1/2 NPT radial nipple Scale 400 conditional units - for accuracy classes 0.15 and 0.25. Division value - 1 conventional unit. Case diameter - 250 mm, IP min 65, Case - stainless steel, Glass - technical, shockproof protection, Zero corrector built into the mechanism, adjusting screw on the dial of the device, Ambient temperature -20 ... +60 ° C	ea.	2	For verification of pressure gauges, vacuummeters, manivacuummeters and differential pressure gauges.	
16	Reference pressure gauges (one for using for oxygen instruments)	measuring range from 0 to 20 bar. Connection: 1/2 NPT radial nipple Scale 400 conditional units - for accuracy classes 0.15 and 0.25. Division value - 1 conventional unit. Case diameter - 250 mm, IP min 65, Case - stainless steel, Glass - technical, shockproof protection, Zero corrector built into the mechanism, adjusting screw on the dial of the device, Ambient temperature -20 ... +60 ° C	ea.	2	For verification of pressure gauges, vacuummeters, manivacuummeters and differential pressure gauges.	
17	Reference pressure gauges (one for using for oxygen instruments)	measuring range from 0 to 60 bar. Connection: 1/2 NPT radial nipple Scale 400 conditional units - for accuracy classes 0.15 and 0.25. Division value - 1 conventional unit. Case diameter - 250 mm, IP min 65, Case - stainless steel, Glass - technical, shockproof protection, Zero corrector built into the mechanism, adjusting screw on the dial of the device, Ambient temperature -20 ... +60 ° C	ea.	2	For verification of pressure gauges, vacuummeters, manivacuummeters and differential pressure gauges.	
18	Reference pressure gauges (one for using for oxygen instruments)	measuring range from 0 to 140 bar. Connection: 1/2 NPT radial nipple Scale 400 conditional units - for accuracy classes 0.15 and 0.25. Division value - 1 conventional unit. Case diameter - 250 mm, IP min 65, Case - stainless steel, Glass - technical, shockproof protection, Zero corrector built into the mechanism, adjusting screw on the dial of the device, Ambient temperature -20 ... +60 ° C	ea.	2	For verification of pressure gauges, vacuummeters, manivacuummeters and differential pressure gauges.	
19	Reference pressure gauges (one for using for oxygen instruments)	measuring range from 0 to 250 bar. Connection: 1/2 NPT radial nipple Scale 400 conditional units - for accuracy classes 0.15 and 0.25. Division value - 1 conventional unit. Case diameter - 250 mm, IP min 65, Case - stainless steel, Glass - technical, shockproof protection, Zero corrector built into the mechanism, adjusting screw on the dial of the device, Ambient temperature -20 ... +60 ° C	ea.	2	For verification of pressure gauges, vacuummeters, manivacuummeters and differential pressure gauges.	