Price list for production of Design Bureau "Fizelektronpribor", Ltd

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Item No.	Description, design version	Application, materials controlled	Sensor design	Price, RUB (*)	
				General purpose industrial version	Explosion-proof version
Bulk material moisture analyzers (moisture meters) FIZEPR-SW100.10.X					
1	Moisture analyzer FIZEPR-SW100. **10.16**	Powdered, granular and bulk materials in a hopper or in-line on a conveyor belt: coal, iron ore and other bulk materials featuring high conductivity. For materials with particle sizes up to 30...40 mm.	Made as a panel with couplings and flat-topped probe. Probe diameter is 14 mm. Probe-to-panel clearance is 45 mm.	**198,000**	**244,800**
2	Moisture analyzer FIZEPR-SW100. **10.161**	Powdered, granular and bulk materials in a hopper: coal, ore and other bulk materials featuring high conductivity. For materials with particle sizes up to 50...55 mm.	Made as a panel with couplings and flat-topped probe. Probe diameter is 14 mm. Probe-to-panel clearance is 60 mm.	**198,300**	**245,100**
3	Moisture analyzer FIZEPR-SW100. **10.162**	Granular and bulk materials in a hopper or in-line on a conveyor belt: coal, iron ore and other bulk materials featuring high conductivity For materials with maximum particle sizes up to 30...40 mm.	Made as a panel with couplings and flat-topped probe. Probe diameter is 20 mm. Probe-to-panel clearance is 45 mm.	**202,320**	**249,120**
4	Moisture analyzer FIZEPR-SW100. **10.163**	Granular and bulk materials in a hopper or in-line on a conveyor belt: coal, iron ore and other bulk materials featuring high conductivity For materials with maximum particle sizes up to 50 mm.	Made as a panel with couplings and flat-topped probe. Probe diameter is 20 mm. Probe-to-panel clearance is 60 mm.	**206,400**	**253,200**

5	Moisture analyzer FIZEPR-SW100. **10.21**	Powdered, granular, bulk materials in a dryer, hopper or in-line on a conveyor belt (grain, sand, etc.) For materials with particle sizes up to 30 mm.	Sensor - made as a panel with couplings and flat-topped probe. An additional shielding conductor is mounted on the panel parallel to the probe to eliminate any effects from metal items located near the sensor. Probe-to-panel clearance is at least 40 mm. Sensor material is AISI 321 steel.	**137,280**	
6	Moisture analyzer FIZEPR-SW100. **10.22**	Powdered, granular, bulk materials in a mixer (silicate mixture, sand, crushed stone, etc.) For materials with particle sizes up to 30...40 mm.	Made as a panel with couplings and flat-topped probe. A 120 x 356 mm panel is made bent at the (R=650 mm) radius. Probe-to-panel clearance is at least 40 mm. Sensor material is stainless steel AISI 321.	**163,200**	
7	Moisture analyzer FIZEPR-SW100. **10.4**	Bulk materials (sand, crushed stone, gravel, ore, grain, etc.) in a hopper, dispenser, including materials that adhere on the hopper walls and probe. For materials with particle sizes up to 150 mm.	Probe made as a straight rod (cross section 27 mm, length up to **1.2 m**, stainless steel AISI 321) with a set of AISI 1020 steel coupling holders	**147,360**	
8	Moisture analyzer FIZEPR-SW100. **10.41**	Powdered, granular, bulk materials in a hopper, pipe or collecting duct above the conveyor belt (including **sawdust and wood chips, wafers, grain, etc.)**	Probe made as a straight rod (diameter 14 mm, length up to 0.6 m, stainless steel AISI 321) with a set of stainless steel AISI 321 coupling holders	**137,280**	
9	Moisture analyzer FIZEPR-SW100. -**10.42**	Ore and other bulk materials on a hopper. Sensor feature: the probe is removable to enable its replacement during the operation. For materials with particle sizes up to 150 mm.	Probe made as a straight rod, cross section 27 mm, length up to 1 m, material - corrosion-resistant steels AISI 321, AISI 420, etc.).	**152,400**	
10	Moisture analyzer FIZEPR-SW100. **10.43**	Bulk materials (wood chip waste, sawdust, pulp, etc.) **in a screw or pipe**	Probe made a radially bent rod (diameter 14 mm, stainless steel AISI 321) with a set of stainless steel AISI 321 coupling holders	**152,400**	
11	Moisture analyzer FIZEPR-SW100. **10.44**	Bulk materials (sand, crushed stone, gravel, ore, grain, etc.) in a hopper, dispenser, including materials that adhere on the hopper walls and probe. For materials with particle sizes up to 150...200 mm.	Probe made as a straight rod (cross section 27 mm, length up to **1.5 m**, stainless steel AISI 321) with a set of AISI 1020 steel coupling holders	**167,640**	

12	Moisture analyzer FIZEPR-SW100. **10.441**	Bulk materials (sand, crushed stone, gravel, ore, grain, etc.) in a hopper, dispenser, including materials that adhere on the hopper walls and probe. For materials with particle sizes up to 150 mm.	Probe made as a straight rod (cross section 27 mm, length up to **2 m**, stainless steel AISI 321) with a set of AISI 1020 steel coupling holders	**187,920**	
13	Moisture analyzer FIZEPR-SW100. **10.46**	Bulk materials: coal including antracite, iron ore and other bulk materials featuring high conductivity including those adhering to hopper walls and the probe. For materials with particle sizes up to 100 mm.	Probe made as a straight rod, cross section 32 mm, length up to 1 m, material - stainless steel AISI 321) with a set of coupling holders.	**243,600**	
14	Moisture analyzer FIZEPR-SW100. **10.5**	Crushed stone, sand, ore, etc. on a conveyor belt	Plate probe specially shaped with a 14 mm thickness, mounted lengthwise the material flow above a conveyor belt	**140,640**	
15	Moisture analyzer FIZEPR-SW100. **10.6**	Powdered, granular, bulk materials in a hopper or in-line on a conveyor belt (sand, crushed stone, grain, etc.). For materials with particle sizes up to 30...40 mm.	Made as a panel with couplings and flat-topped probe. 120 x 356 mm panel. Probe-to-panel clearance is at least 40 mm. Sensor material is stainless steel AISI 321.	**132,480**	**179,280**
16	Moisture analyzer FIZEPR-SW100. **10.61**	Powdered, granular, bulk materials in a hopper or in-line on a conveyor belt (sand, crushed stone, grain, etc.) For materials with particle sizes up to 30...40 mm. It can be used in drying units. Working temperature is up to +180°C.	Made as a panel with couplings and flat-topped probe. 120 x 356 mm panel. Probe-to-panel clearance is at least 40 mm. Sensor material is stainless steel AISI 321.	**189,000**	
17	Moisture analyzer FIZEPR-SW100. **10.62**	Powdered, granular, bulk materials in a hopper or in-line on a conveyor belt (sand, crushed stone, grain, etc.). For materials with particle sizes up to 30...40 mm.	Made as a panel with couplings and flat-topped probe. 150 x 356 mm panel. Probe-to-panel clearance is at least 40 mm. Sensor material is stainless steel AISI 321.	**133,200**	

Universal moisture analyzers (moisture meters) FIZEPR-SW100.11.X, moisture meters FIZEPR-SW100.12.X and FIZEPR-SW100.14.X for liquid and bulk materials					
1	Moisture analyzer FIZEPR-SW100. **11.3**	Powdered, granular and bulk materials in a hopper, mixer, silo as well as liquid materials (e.g. sludge) in a tank, trough	Sensor with a two-pinned probe. Housing is equipped with G1 thread nozzle. It is fixed permanently on a 1" pipe and can also be attached directly to the hopper wall	**152,400**	
2	Moisture analyzer FIZEPR-SW100. **11.32**	Powdered, granular and bulk materials in a hopper, mixer, as well as liquid materials (e.g. sludge) in a tank, trough It can be used to measure bulk materials in storage pits	Sensor with a two-pinned probe. Housing is equipped with G1 thread nozzle. It is fixed permanently on a 1" pipe and can also be attached directly to the hopper wall	**152,400**	
3	Moisture analyzer FIZEPR-SW100. **11.33**	Powdered, granular and bulk materials (e.g. silicate mixture) on a conveyor belt, as well as liquid materials (e.g. sludge) in a tank, trough	Sensor with a two-pinned bent probe. Housing is equipped with G1 thread nozzle. It is fixed permanently on a 1" pipe	**158,400**	
4	Moisture analyzer FIZEPR-SW100. **11.4**	Liquid and bulk materials in hoppers, tanks. The moisture meter can also be used for soil moisture control	Immersion sensor with a two-pinned probe. Probe is equipped with a tip to immerse the sensor in a dense controlled material, e.g. soil. Housing is equipped with G1 thread nozzle. It is fixed permanently on a 1" pipe	**132,480**	
5	Moisture analyzer FIZEPR-SW100. **11.41**	Grain and other bulk materials as well as liquid products in tanks	Immersion sensor with a two-pinned probe. Ø10 mm probe pins are made as a fork and have a length of 160 mm. Housing is equipped with G1 thread nozzle.	**114,000**	
6	Moisture analyzer FIZEPR-SW100. **11.411**	Bulk, paste-like and liquid materials in cooking pans and drying units at temperatures up to 180 °C. Working pressure is up to 6atm.	Immersion sensor with a two-pinned probe. Ø10 mm probe pins are made as a fork and have a length of 160 mm. Housing is equipped with G1 thread nozzle. It is fixed permanently on a 1" pipe. Working temperature is up to +180°C.	**180,000**	
7	Moisture analyzer FIZEPR-SW100. **11.42**	Liquid and bulk materials in hoppers, tanks. The moisture meter can also be used for soil moisture control	Sensor with a two-pinned probe. Probe is equipped with a tip to immerse the sensor in a dense controlled material, e.g. soil. Housing is equipped with G1 thread nozzle, and the sensor housing itself has G2 thread.	**142,080**	

8	Moisture analyzer FIZEPR-SW100. **11. 6**	Bulk, paste-like and liquid materials featuring high conductivity including wastewater sludge	Immersion sensor with a two-pinned probe. Housing is equipped with G1 thread nozzle. It is fixed permanently on a 1" pipe.	**198,000**	
9	Moisture analyzer FIZEPR-SW100. **12**	Liquid materials in tanks including diesel oil emulsion, sludge, etc.	Probe sensor contains a center pin and 4 perimeter-wise pins. Sensor material is stainless steel AISI 321. Sensor housing has G2 thread, but it can also be attached to G1 thread nozzle. Sensor is installed inside a tank and fixed to a 1" or 2" pipe	**158,400**	
11	Moisture analyzer FIZEPR-SW100. **12.2**	Liquid materials in boilers. Working temperature range: -20 … +180°C. Working pressure is up to 6 atm.	Probe sensor contains a center pin and 2 pins along the edges, installed inside a tank and fixed to a 1" or 2" pipe	**196,800**	
12	Moisture analyzer FIZEPR-SW100. **14**	Water and sand pulp and other liquid, paste-like materials in tanks and pipelines with a diameter of 200-800 mm, working pressure – up to 6.0 atm.	In-line probe sensor with one pin installed along the pipeline diameter or at an angle to the pipeline axis. Attachment - to a nozzle (with a mating flange) welded to a pipeline, tank.	**196,800**	
Moisture analyzers (moisture meters) FIZEPR-SW100.17.X and FIZEPR-SW100.18.X for concrete mixture, iron-ore concentrate and other bulk and paste-like materials					
1	Moisture analyzer FIZEPR-SW100. **17.1**	Control of water content in concrete mixture inside concrete mixing machines, control of material moisture inside hoppers, on a conveyor belt	Sensor 80 mm in diameter (supplied with a fixing set)	**148,800**	**195,600**
2	Moisture analyzer FIZEPR-SW100. **17.2**	Measurements of bulk, paste-like materials in cylindrical sampling systems	Sensor 80 mm in diameter (supplied with a fixing set)	**167,640**	**214,440**
3	Moisture analyzer FIZEPR-SW100. **17.21**	Measurements of bulk, paste-like materials in cylindrical sampling systems	Sensor is made as a 50 mm diameter piston. Allowable piston load – 5000 N	**187,200**	
4	Moisture analyzer FIZEPR-SW100. **17.3**	Measurements of bulk, paste-like materials in boilers (e.g. meat and bone meal), working temperature is up to +180°C	Sensor is made in a stainless steel AISI 321 housing with G2½. housing thread. Sensor is designed for securing directly on the boiler wall.	**167,640**	

5	Moisture analyzer FIZEPR-SW100. **17.7**	Bulk material moisture control on a conveyor belt, in hoppers.	Sensor 108 mm in diameter (supplied with a fixing set). Sensor feature: improved shock resistance.	**167,640**	**214,440**
6	Moisture analyzer FIZEPR-SW100. **17.8**	Control of water content in concrete mixture inside concrete mixing machines, control of material moisture inside hoppers, on a conveyor belt	Sensor 108 mm in diameter (supplied with a fixing set). Sensor head is replaceable.	**168,000**	**214,800**
7	Replaceable sensor head. FIZEPR-SW100 VIGT.415210.100 **-17.81**	Control of water content in concrete mixture inside concrete mixing machines, control of material moisture inside hoppers, on a conveyor belt	Replaceable sensor head for the FIZEPR-SW100.**17.8** moisture meter sensor 108 in diameter.	**15,240**	
8	Moisture analyzer FIZEPR-SW100. **18.1**	Bulk material moisture control on a conveyor belt (sand, crushed stone, ore, coal)	Sensor is made of corrosion-resistant hardened steel. Sensor is installed on a conveyor belt.	**198,000**	
In-line moisture analyzers (moisture meters) FIZEPR-SW100.20.X for liquid materials, straight-flow design					
1	Moisture analyzer FIZEPR-SW100. **20.3**	Liquid materials in a DN50 pipeline, pressure up to 6 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN50, PN6 pipe section; 1-50-6 GOST12820-80 flanges; complete with AISI 1020 steel mating flanges.	**259,500**	**306,300**
2	Moisture analyzer FIZEPR-SW100. **20.4**	Liquid materials in a DN50 pipeline, pressure up to 10 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN50, PN10 pipe section; flanges ver. 1-50-10 GOST12820-80; complete with AISI 1020 steel mating flanges.	**279,000**	**325,800**
3	Moisture analyzer FIZEPR-SW100. **20.5**	Liquid materials in a DN50 pipeline, pressure up to 25 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN50, PN25 pipe section; flanges ver. 1-50-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**288,000**	**334,800**
4	Moisture analyzer FIZEPR-SW100. **20.51**	Liquid materials in a DN50 pipeline, pressure up to 25 atm. Working temperature range: -20 … +145°C.	Straight-flow sensor made as a DN50, PN25 pipe section; flanges ver. 1-50-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**331,200**	**378,000**
5	Moisture analyzer FIZEPR-SW100. **20.6**	Liquid materials in a DN80 pipeline, pressure up to 16 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN80, PN16 pipe section; flanges ver. 1-80-16 GOST 12820-80; complete with AISI 1020 steel mating flanges	**292,500**	**339,300**

6	Moisture analyzer FIZEPR-SW100. **20.61**	Liquid materials in a DN80 pipeline, pressure up to 16 atm. Working temperature range: -20 … +145°C.	Straight-flow sensor made as a DN80, PN16 pipe section; flanges ver. 1-80-16 GOST 12820-80; complete with AISI 1020 steel mating flanges	**335,700**	**382,500**
7	Moisture analyzer FIZEPR-SW100. **20.65**	Liquid materials in a DN65 pipeline, pressure up to 160 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN65, PN160 pipe section; weld neck flanges ver. 7-65-160 GOST 12821-80; complete with AISI 1020 steel mating flanges	**517,500**	**564,300**
8	Moisture analyzer FIZEPR-SW100. **20.7**	Liquid materials in a DN80 pipeline, pressure up to 25 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN80, PN25 pipe section; flanges ver. 1-80-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**297,000**	**343,800**
9	Moisture analyzer FIZEPR-SW100. **20.71**	Liquid materials in a DN80 pipeline, pressure up to 25 atm. Working temperature range: -20 … +145°C.	Straight-flow sensor made as a DN80, PN25 pipe section; flanges ver. 1-80-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**340,200**	**387,000**
10	Moisture analyzer FIZEPR-SW100. **20.8**	Liquid materials in a DN50 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN50, PN40 pipe section; weld neck flanges ver. 2-50-40 and ver. 3-50-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**310,800**	**357,600**
11	Moisture analyzer FIZEPR-SW100. **20.9**	Liquid materials in a DN80 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN80, PN40 pipe section; weld neck flanges ver. 2-80-40 and ver. 3-80-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**322,500**	**369,300**
12	Moisture analyzer FIZEPR-SW100. **20.9.К**	Crude oil with moisture content up to 100% in a DN80 pipeline, pressure is up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN80, PN40 pipe section; weld neck flanges ver. 2-80-40 and ver. 3-80-40 GOST 12821-80; complete with AISI 1020 steel mating flanges		**448,500**
13	Moisture analyzer FIZEPR-SW100. **20.10**	Liquid materials in a DN125 pipeline, pressure up to 6 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN125, PN6 pipe section; flanges ver. 1-125-6 GOST 12820-80 (complete with AISI 1020 steel mating flanges)	**322,500**	**369,300**
14	Moisture analyzer FIZEPR-SW100 VIGT.415210.100 -**20.11**	Liquid materials in a DN50 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN50, PN63 pipe section; weld neck flanges ver. 2-50-63 and ver. 3-50-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**333,720**	**380,520**

15	Moisture analyzer FIZEPR-SW100. **20.12**	Liquid materials in a DN80 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN80, PN63 pipe section; weld neck flanges ver. 2-80-63 and ver. 3-80-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**353,160**	**399,960**
16	Moisture analyzer FIZEPR-SW100. **20.12.К**	Crude oil with moisture content up to 100% in a DN80 pipeline, pressure is up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN80, PN63 pipe section; weld neck flanges ver. 2-80-63 and ver. 3-80-63 GOST 12821-80; complete with AISI 1020 steel mating flanges		**479,160**
17	Moisture analyzer FIZEPR-SW100. **20.14**	Liquid materials in a DN100 pipeline, pressure up to 6 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN100, PN6 pipe section; flanges ver. 1-100-6 GOST 12820-80; complete with AISI 1020 steel mating flanges	**310,800**	**357,600**
18	Moisture analyzer FIZEPR-SW100. **20.15**	Liquid materials in a DN80 pipeline, pressure up to 100 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN80, PN100 pipe section; weld neck flanges ver. 2-80-100 and ver. 3-80-100 GOST 12821-80; complete with AISI 1020 steel mating flanges	**404,160**	**450,960**
19	Moisture analyzer FIZEPR-SW100. **20.15.К**	Crude oil with moisture content up to 100% in a DN80 pipeline, pressure is up to 100 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN80, PN100 pipe section; weld neck flanges ver. 2-80-100 and ver. 3-80-100 GOST 12821-80; complete with AISI 1020 steel mating flanges		**530,160**
20	Moisture analyzer FIZEPR-SW100. **20.16**	Liquid materials in a DN100 pipeline, pressure up to 16 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN100, PN16 pipe section; flanges ver. 1-100-16 GOST 12820-80; complete with AISI 1020 steel mating flanges	**333,720**	**380,520**
21	Moisture analyzer FIZEPR-SW100. **20.17**	Liquid materials in a DN100 pipeline, pressure up to 25 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN100, PN25 pipe section; flanges ver. 1-100-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**341,160**	**387,960**
22	Moisture analyzer FIZEPR-SW100. **20.18**	Liquid materials in a DN50 pipeline, pressure up to 160 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN50, PN160 pipe section; weld neck flanges ver. 2-50-160 and ver. 3-50-160 GOST 12821-80; complete with AISI 1020 steel mating flanges	**462,720**	**509,520**
23	Moisture analyzer FIZEPR-SW100. **20.19**	Liquid materials in a DN150 pipeline, pressure up to 16 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN150, PN16 pipe section; flanges ver. 1-150-16 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**450,000**	**496,800**

24	Moisture analyzer FIZEPR-SW100. **20.20**	Liquid materials in a DN100 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN100, PN40 pipe section; weld neck flanges ver. 2-100-40 and ver. 3-100-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**450,000**	**496,800**
25	Moisture analyzer FIZEPR-SW100. **20.20.К**	Crude oil with moisture content up to 100% in a DN100 pipeline, pressure is up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN100, PN40 pipe section; weld neck flanges ver. 2-100-40 and ver. 3-100-40 GOST 12821-80; complete with AISI 1020 steel mating flanges		**576,000**
26	Moisture analyzer FIZEPR-SW100. **20.21**	Liquid materials in a DN100 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN100, PN63 pipe section; weld neck flanges ver. 2-100-63 and ver. 3-100-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**465,000**	**511,800**
27	Moisture analyzer FIZEPR-SW100. **20.21.К**	Crude oil with moisture content up to 100% in a DN100 pipeline, pressure is up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN100, PN63 pipe section; weld neck flanges ver. 2-100-63 and ver. 3-100-63 GOST 12821-80; complete with AISI 1020 steel mating flanges		**591,000**
28	Moisture analyzer FIZEPR-SW100. **20.22**	Liquid materials in a DN100 pipeline, pressure up to 100 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN100, PN100 pipe section; weld neck flanges ver. 2-100-100 and ver. 3-100-100 GOST 12821-80; complete with AISI 1020 steel mating flanges	**500,850**	**547,650**
29	Moisture analyzer FIZEPR-SW100. **20.22.К**	Crude oil with moisture content up to 100% in a DN100 pipeline, pressure is up to 100 atm. Working temperature range: -20 … +120 (145)°C.	Straight-flow sensor made as a DN100, PN100 pipe section; weld neck flanges ver. 2-100-100 and ver. 3-100-100 GOST 12821-80; complete with AISI 1020 steel mating flanges		**626,850**
30	Moisture analyzer FIZEPR-SW100. **20.23**	Liquid materials in a DN125 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN125, PN40 pipe section; weld neck flanges ver. 2-125-40 and ver. 3-125-40 GOST 12820-81 (complete with AISI 1020 steel mating flanges)	**500,850**	**547,650**
31	Moisture analyzer FIZEPR-SW100. **20.24**	Liquid materials in a DN150 pipeline, pressure up to 6 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN150, PN6 pipe section; flanges ver. 1-150-6 GOST 12820-80 (complete with AISI 1020 steel mating flanges).	**345,000**	**391,800**
***Additional option for analyzer versions -20, -21, -22, -24 and -25*:** **probe design with an extended range of working medium temperatures up to +145°C**				**+43,200**	**+43,200**

In-line moisture analyzers (moisture meters) FIZEPR-SW100.21.X for liquid materials, full-flow design					
1	Moisture analyzer FIZEPR-SW100. **21.01** **21.01.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 6.0 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a 89 mm diameter probe mounted on a flange ver. 1-100-6 GOST 12820-80. The sensor is installed using a flanged nozzle welded to the pipeline wall.	**285,720**	**332,520**
2	Moisture analyzer FIZEPR-SW100. **21.011** **21.011.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 6.0 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a 57 mm diameter probe mounted on a flange ver. 1-65-6 GOST 12820-80. The sensor is installed using a flanged nozzle welded to the pipeline wall.	**285,720**	**332,520**
3	Moisture analyzer FIZEPR-SW100. **21.02** **21.02.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 16 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a 89 mm diameter probe mounted on a flange ver. 1-100-16 GOST 12820-80. The sensor is installed using a flanged nozzle welded to the pipeline wall.	**297,120**	**343,920**
4	Moisture analyzer FIZEPR-SW100. **21.021** **21.021.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 16 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a 57 mm diameter probe mounted on a flange ver. 1-65-16 GOST 12820-80. The sensor is installed using a flanged nozzle welded to the pipeline wall.	**294,600**	**341,400**
5	Moisture analyzer FIZEPR-SW100. **21.03** **21.03.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 40 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a 89 mm diameter probe mounted on a flange ver. 2-100-40 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3-100-40) welded to the pipeline wall.	**336,000**	**382,800**

6	Moisture analyzer FIZEPR-SW100. **21.031** **21.031.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 25 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a 57 mm diameter probe mounted on a flange ver. 1-65-25 GOST 12820-80. The sensor is installed using a nozzle (with a mating flange ver. 1-65-25) welded to the pipeline wall.	**325,440**	**372,240**
7	Moisture analyzer FIZEPR-SW100. **21.032** **21.032.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 40 atm. Working temperature range: -20 … +120°C.	Full-flow sensor contains a probe mounted on a flange ver. 2-65-40 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3-65-40) welded to the pipeline wall.	**330,480**	**377,280**
8	Moisture analyzer FIZEPR-SW100. **21.04** **21.04.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Full-flow sensor contains a 89 mm diameter probe mounted on a flange ver. 2-100-63 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3-100-63) welded to the pipeline wall.	**386,400**	**433,200**
9	Moisture analyzer FIZEPR-SW100. **21.041** **21.041.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Full-flow sensor contains a probe mounted on a flange ver. 2-65-63 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3-65-63) welded to the pipeline wall.	**378,600**	**425,400**
10	Moisture analyzer FIZEPR-SW100. **21.042** **21.042.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Full-flow sensor contains a 57 mm (73 mm) probe mounted on a flange ver. 2-80-63 or ver. 7-80-63 GOST 12821-80. The sensor is installed using a nozzle with a mating flange ver. 3-80-63 or ver. 7-80-63 welded to the pipeline wall.	**384,000**	**430,800**
11	Moisture analyzer FIZEPR-SW100. **21.05** **21.05.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 100 atm. Working temperature range: -20 … +120 (145)°C.	Full-flow sensor contains a 89 mm diameter probe mounted on a flange ver. 2-100-100 or ver. 7-100-100 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3-100-100 or ver. 7-100-100) welded on the side of the pipeline.	**411,840**	**458,640**

12	Moisture analyzer FIZEPR-SW100. **21.051** **21.051.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 160 atm. Working temperature range: -20 … +120 (145)°C.	Full-flow sensor contains a 57 mm diameter probe mounted on a flange ver. 2 (or 7)-65-160 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3(or 7)-165-160) welded on the side of the pipeline.	**404,160**	**450,960**
13	Moisture analyzer FIZEPR-SW100. **21.061** **21.061.К**	Liquid materials in a pipeline with a diameter of 200 mm and larger when sensor is installed perpendicular to the flow. Pressure is up to 200 atm. Working temperature range: -20 … +120 (145)°C.	Full-flow sensor contains a 57 mm diameter probe mounted on a flange ver. 2 (or 7)-65-200 GOST 12821-80. The sensor is installed using a nozzle (with a mating flange ver. 3(or 7)-165-200) welded on the side of the pipeline.	**431,400**	**480,000**
In-line moisture analyzers (moisture meters) FIZEPR-SW100.22.X for liquid materials, bypass design					
1	Moisture analyzer FIZEPR-SW100. **22.5**	Liquid materials in a DN50 pipeline, pressure up to 25 atm. Working temperature range: -20 … +120°C.	Sensor made as a DN50, PN25 U-pipe section (bypass); flanges ver. 1-50-25 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**337,500**	**384,300**
2	Moisture analyzer FIZEPR-SW100. **22.6**	Liquid materials in a DN80 pipeline, pressure up to 16 atm. Working temperature range: -20 … +120°C.	Sensor made as a DN80, PN16 U-pipe section (bypass); flanges ver. 1-80-16 GOST 12820-80; complete with AISI 1020 steel mating flanges	**345,000**	**391,800**
3	Moisture analyzer FIZEPR-SW100. **22.8**	Liquid materials in a DN50 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN40 U-pipe section (bypass); weld neck flanges ver. 2-50-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**375,000**	**421,800**
4	Moisture analyzer FIZEPR-SW100. **22.9**	Liquid materials in a DN80 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN80, PN40 U-pipe section (bypass); weld neck flanges ver. 2-80-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**384,000**	**430,800**
5	Moisture analyzer FIZEPR-SW100. **22.11**	Liquid materials in a DN50 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN63 U-pipe section (bypass); weld neck flanges ver. 2-50-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**397,920**	**444,720**

6	Moisture analyzer FIZEPR-SW100. **22.12**	Liquid materials in a DN80 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN80, PN63 U-pipe section (bypass); weld neck flanges ver. 2-80-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**417,360**	**464,160**
In-line moisture analyzers (moisture meters) FIZEPR-SW100.23.X for liquid materials as well as steam-water mixtures, straight-flow design					
1	Moisture analyzer FIZEPR-SW100. **23.01**	Steam-water environment, liquid materials in a DN50 pipeline, pressure up to 160 atm. Working temperature range: 0 … +320°C.	Straight-flow sensor made as a DN50, PN160 pipe section; weld neck flanges ver. 2-50-160 and ver. 3-50-160 GOST 12821-80; complete with AISI 321 stainless steel mating flanges	**406,320**	
2	Moisture analyzer FIZEPR-SW100. **23.65**	Steam-water environment, liquid materials in a DN65 pipeline, pressure up to 160 atm. Working temperature range: 0 … +320°C.	Straight-flow sensor made as a DN65, PN160 pipe section; weld neck flanges ver. 2-65-160 and ver. 3-65-160 GOST 12821-80; complete with AISI 321 stainless steel mating flanges	**420,000**	
In-line moisture analyzers (moisture meters) FIZEPR-SW100.24.X for liquid materials, angular design (L-type)					
1	Moisture analyzer FIZEPR-SW100. **24.5**	Liquid materials in a DN50 pipeline, pressure up to 25 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN25 L-pipe section (angular); weld neck flanges ver. 1-50-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**337,440**	**384,240**
2	Moisture analyzer FIZEPR-SW100. **24.8**	Liquid materials in a DN50 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN40 L-pipe section (angular); weld neck flanges ver. 2-50-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**375,000**	**421,800**
3	Moisture analyzer FIZEPR-SW100. **24.9**	Liquid materials in a DN80 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN80, PN40 L-pipe section (angular); weld neck flanges ver. 2-80-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**384,840**	**431,640**
4	Moisture analyzer FIZEPR-SW100. **24.11**	Liquid materials in a DN50 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN63 L-pipe section (angular); weld neck flanges ver. 2-50-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**397,920**	**444,720**

5	Moisture analyzer FIZEPR-SW100. **24.12**	Liquid materials in a DN80 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN80, PN63 L-pipe section (angular); weld neck flanges ver. 2-80-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**417,360**	**464,160**
6	Moisture analyzer FIZEPR-SW100. **24.18**	Liquid materials in a DN50 pipeline, pressure up to 160 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN160 L-pipe section (angular); weld neck flanges ver. 7-50-160 GOST 12821-80; complete with AISI 1020 steel mating flanges	**517,440**	**564,240**
7	Moisture analyzer FIZEPR-SW100. **24.20**	Liquid materials in a DN100 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN100, PN40 L-pipe section (angular); weld neck flanges ver. 2-100-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**512,400**	**559,200**
8	Moisture analyzer FIZEPR-SW100. **24.21**	Liquid materials in a DN100 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN100, PN63 L-pipe section (angular); weld neck flanges ver. 2-100-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**529,200**	**576,000**
In-line moisture analyzers (moisture meters) FIZEPR-SW100.25.X for liquid materials, Z-type design					
1	Moisture analyzer FIZEPR-SW100. **25.5**	Liquid materials in a DN50 pipeline, pressure up to 25 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN25 Z-pipe section; weld neck flanges ver. 1-50-25 GOST 12820-80; complete with AISI 1020 steel mating flanges	**337,440**	**384,240**
2	Moisture analyzer FIZEPR-SW100. **25.8**	Liquid materials in a DN50 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN40 Z-pipe section; weld neck flanges ver. 2-50-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**375,000**	**421,800**
3	Moisture analyzer FIZEPR-SW100. **25.9**	Liquid materials in a DN80 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN80, PN40 Z-pipe section; weld neck flanges ver. 2-80-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**384,840**	**431,640**
4	Moisture analyzer FIZEPR-SW100. **25.11**	Liquid materials in a DN50 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN63 Z-pipe section; weld neck flanges ver. 2-50-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**397,920**	**444,720**

5	Moisture analyzer FIZEPR-SW100. **25.12**	Liquid materials in a DN80 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN80, PN63 Z-pipe section (angular); weld neck flanges ver. 2-80-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**417,360**	**464,160**
6	Moisture analyzer FIZEPR-SW100. **25.18**	Liquid materials in a DN50 pipeline, pressure up to 160 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN50, PN160 Z-pipe section; weld neck flanges ver. 7-50-160 GOST 12821-80; complete with AISI 1020 steel mating flanges.	**517,440**	**564,240**
7	Moisture analyzer FIZEPR-SW100. **25.20**	Liquid materials in a DN100 pipeline, pressure up to 40 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN100, PN40 Z-pipe section; weld neck flanges ver. 2-100-40 GOST 12821-80; complete with AISI 1020 steel mating flanges	**512,400**	**559,200**
8	Moisture analyzer FIZEPR-SW100. **25.21**	Liquid materials in a DN100 pipeline, pressure up to 63 atm. Working temperature range: -20 … +120 (145)°C.	Sensor made as a DN100, PN63 Z-pipe section; weld neck flanges ver. 2-100-63 GOST 12821-80; complete with AISI 1020 steel mating flanges	**529,200**	**576,000**
In-line moisture analyzers (moisture meters) FIZEPR-SW100.27.X for high-conductivity liquid materials, straight-flow design					
1	Moisture analyzer FIZEPR-SW100. **27.4**	High-conductivity liquid materials in a DN50 pipeline, pressure up to 10 atm. Working temperature range: -20 … +90°C.	Straight-flow sensor made as a DN50, PN10 pipe section; flanges ver. 1-50-10 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**309,000**	**355,800**
2	Moisture analyzer FIZEPR-SW100. **27.5**	High-conductivity liquid materials in a DN50 pipeline, pressure up to 25 atm. Working temperature range: -20 … +90°C.	Straight-flow sensor made as a DN50, PN25 pipe section; flanges ver. 1-50-25 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**315,240**	**362,040**
3	Moisture analyzer FIZEPR-SW100. **27.6**	High-conductivity liquid materials in a DN80 pipeline, pressure up to 16 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN80, PN16 pipe section; flanges ver. 1-80-16 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**337,800**	**384,600**
4	Moisture analyzer FIZEPR-SW100. **27.14**	Liquid materials featuring high conductivity in a DN100 pipeline, pressure up to 6 atm. Working temperature range: -20 … +120°C.	Straight-flow sensor made as a DN100, PN6 pipe section; flanges ver. 1-100-6 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**348,000**	**394,800**

5	Moisture analyzer FIZEPR-SW100. **27.17**	Liquid materials featuring high conductivity in a DN100 pipeline, pressure up to 25 atm. Working temperature range: -20 … +90°C.	Straight-flow sensor made as a DN100, PN25 pipe section; flanges ver. 1-100-25 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**380,400**	**427,200**
6	Moisture analyzer FIZEPR-SW100. **27.19**	Liquid materials featuring high conductivity in a DN150 pipeline, pressure up to 16 atm. Working temperature range: -20 … +90°C.	Straight-flow sensor made as a DN150, PN16 pipe section; flanges ver. 1-150-16 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**460,800**	
7	Moisture analyzer FIZEPR-SW100. **27.24**	Liquid materials featuring high conductivity in a DN150 pipeline, pressure up to 6 atm. Working temperature range: -20 … +90°C.	Straight-flow sensor made as a DN150, PN6 pipe section; flanges ver. 1-150-6 GOST 12820-80; complete with AISI 1020 steel mating flanges.	**360,000**	**406,800**
Laboratory moisture analyzers (moisture meters) FIZEPR-SW100.30.X					
1	Moisture analyzer FIZEPR-SW100. **30.1**	Laboratory measurements mostly of liquid materials and measurements in tanks at different depths. Sensor is equipped with a coupling for mounting on the rod with 3/4" male thread.	Sensor contains a 46 mm diameter probe to make measurements in a standard 500 ml measuring cylinder (included in the scope of supply). Volume of controlled sample – 450 ml.	**147,000**	
2	Moisture analyzer FIZEPR-SW100. **30.11**	Laboratory measurements mostly of liquid materials and measurements in tanks at different depths. Sensor is equipped with a coupling for mounting on the rod with 1" male thread.	Sensor contains a 46 mm diameter probe to make measurements in a standard 500 ml measuring cylinder (included in the scope of supply). Volume of controlled sample – 450 ml.	**147,000**	
3	Moisture analyzer FIZEPR-SW100. **30.2**	Laboratory measurements of bulk materials mostly (can also be used for control of liquid materials).	Sensor contains a rectangular measuring cell (220 x 100 x 100 mm) with a probe. Volume of controlled sample – 1.8 l.	**147,000**	
4	Moisture analyzer FIZEPR-SW100. **30.26**	Laboratory measurements of bulk, paste-like and liquid materials featuring high conductivity	Sensor contains a rectangular measuring cell (220 x 100 x 100 mm) with a probe. Volume of controlled sample – 1.8 l.	**198,000**	

5	Moisture analyzer FIZEPR-SW100. **30.3**	Laboratory measurements of liquid materials	Sensor contains a 17 mm diameter probe with a length of 190 mm for P1-21-200 or P2-21-200 test tubes. Volume of controlled sample – 15 ml.	**147,000**
Microwave barriers for level SIUR-03V2				
1	Radiowave barrier for level SIUR-03V**2.2**	Control of burning fuel level in wood waste boilers. Allowable temperature of barrier unit housings: -25…+85°C.	Barrier consists of two units installed on the opposite walls of the boiler. Antennas are made as up to 300 mm long pipes.	**40,320**
2	Radiowave barrier for level SIUR-03V**2.3**	Control of filling level limit of silos, hoppers with bulk materials Allowable temperature of barrier unit housings: -25…+85°C.	Barrier consists of two units installed on the opposite silo walls and mounted with 1” (G1) sleeves welded on to walls (sleeves can be included in the scope of supply as options on request). Electronic units are connected using sealed 2RMG-type connectors.	**40,320**
3	Radiowave barrier for level SIUR-03V**2.4**	Control of filling level limit of silos, hoppers with bulk materials. Allowable temperature of barrier unit housings: -25…+85°C.	Barrier consists of two units installed on the opposite silo walls and mounted with 1” sleeves welded on to walls (sleeves can be included in the scope of supply as options on request). Electronic units are connected using sealed cable lead-ins.	**40,320**
4	Radiowave barrier for level SIUR-03V**2.41**	Control of filling level limit of silos, hoppers with bulk materials. Allowable temperature of barrier unit housings: -45…+85°C.	Barrier consists of two units installed on the opposite silo walls and mounted with 1” (G1) sleeves welded on to walls (sleeves can be included in the scope of supply as options on request). Electronic units are connected using sealed cable lead-ins.	**43,680**
5	Radiowave barrier for level SIUR-03V**2.5**	Control of filling level limit of silos, hoppers with bulk materials. Allowable temperature of barrier unit housings: -25…+85°C.	Barrier consists of two units installed on the opposite silo walls. Electronic units are connected using sealed cable lead-ins. The tightness of the sensor body corresponds to the level IP66.	**49,500**
6	Radiowave barrier for level SIUR-03V**2.51**	Control of filling level limit of silos, hoppers with bulk materials. Allowable temperature of barrier unit housings: -45…+85°C.	Barrier consists of two units installed on the opposite silo walls. Electronic units are connected using sealed cable lead-ins. The tightness of the sensor body corresponds to the level IP66.	**52,860**

7	Radiowave barrier for level SIUR-03V**2.6**	Control of bulk material levels at high temperatures. Antennas are inserted inside the controlled volume. Allowable temperature of antennas: +200°C. Allowable temperature of barrier unit housings: -25…+85°C.	Barrier consists of two units installed on the opposite silo walls and mounted with 1" (G1) sleeves welded on to walls (sleeves can be included in the scope of supply as options on request). Barrier is equipped with 300 m long antennas covered with ceramic plugs to enable leading antennas directly into the area with temperatures up to +200°C. Electronic units are connected using sealed cable lead-ins.	**45,000**
8	Radiowave barrier for level SIUR-03V**2.61**	Control of bulk material levels at high temperatures. Antennas are inserted inside the controlled volume. Allowable temperature of antennas: +200°C. Allowable temperature of barrier unit housings: -45…+85°C.	Barrier consists of two units installed on the opposite silo walls and mounted with 1" (G1) sleeves welded on to walls (sleeves can be included in the scope of supply as options on request). Barrier is equipped with 300 m long antennas covered with ceramic plugs to enable leading antennas directly into the area with temperatures up to +200°C. Electronic units are connected using sealed cable lead-ins.	**48,360**
9	Set of two probe pipes	To ensure measurements at temperatures up to +400°C.	Set of two probe pipes each 700 mm long with a ceramic plug and 1" (G1) coupling, pipe material is AISI 321 steel.	**7,320**
Electron paramagnetic resonance (ESR) spectrometer FIZEPR-ESR12				
1	ESR spectrometer FIZEPR-ESR12 (VIGT.421400.012M)	Elemental analysis of chemical materials, concentration measurement for substances featuring paramagnetic properties. Determination of radical concentration in solutions and dry samples of substances.	Scope of supply: - BUMMP unit VIGT.421410.001-01 - 1 pc. - BR unit VIGT.421410.002-01.01 - 1 pc. - IM-MS system VIGT.421410.411-01 - 1 pc. - BUG-PU unit VIGT.421410.004-01 - 1 pc. - IM-SVCh module VIGT.421410.411-02 - 1 pc.	**on request**
Additional equipment				
1	Control cabinet VIGT.301413.010 (with digital indicator)	For discrete control of external devices depending on moisture measurement results	Instrument cabinet 400x300x150 mm, IP54, with an installed and connected electronic unit. Supplied with: - measuring and regulating device TRM-201; - supply unit BP30B-D3-24; - RS485-USB interface converter AS4.	**35,400**

2	Converter AS4 by "Owen"	USB – RS485 interface converter (24V mains supply)	**3,060 (**)**
3	Converter ACDR.426469.032 by NVP "Bolid"	USB – RS485 interface converter (PC USB port supply)	**1,950 (**)**
4	Measuring and regulating device TRM-201 by "Owen"	Digital indicator with a programmable device for discrete control of relay outputs	**4,590 (**)**
5	Digital operator panel SMI1 by "Owen"	Data display panel with editing functions for distribution control systems in RS-485 network (Modbus RTU protocol).	**6,060 (**)**
6	Meter and controller device METAKON-1105 by "KontrAvt"	Digital indicator with a programmable device for discrete control of relay outputs	
7	Supply unit BP30B-D3-24 by "Owen"	Supply unit 24V	**2,550 (**)**

Notes: *** Prices are exclusive of initial verification cost**

**** Approximate price; the device is supplied at the manufacturer's price including a transp. margin**

Terms of delivery

Export deliveries of the Design Bureau "Fizelektronpribor" products require signing a contract.

In addition to the cost of equipment, the contract price includes the following charges:

- Payment for customs services – about RUB 11,000 for shipping a batch of instruments (Wherein the cost of this service is not affected by the number of instruments shipped at a time).
- Payment for customs examination of the contract – about RUB 15,000 (Instruments can be shipped under the same contract for several years, while the specified payment is charged only once within 1 year).

For all these additional costs, supporting documents are provided.

The contract price does not include the cost of delivery. Goods are delivered at the buyer's expense. Normally, instruments are shipped overseas with the TNT. The cost of delivery can be found out at your local TNT office. TNT pricing is usually based on individual discounts.

Beneficiary's bank: POVOLZHSKY BRANCH OF "SBERBANK OF RUSSIA" OJSC, SAMARA. BIC 043601607
SETTLEMENT ACC. 40702810954390101485. CORR. ACC. 30101810200000000607.
SWIFT CODE: SABRRUMMSE1
Beneficiary: The Design Bureau «Fizelektronpribor», Ltd INN 6315522386 KPP 631501001

Sensor versions of in-line moisture meters FIZEPR-SW100

- **20.x, -20.x.К, -27.x** - **straight-flow** (sensor with two flanges on the same axis);
- **22.x** - **U-type** (bypass, two flanges on one side of the sensor);
- **23.x** - **straight-flow**, for extreme temperatures and pressures;
- **24.x** - **L-type** (angular sensor, two flanges at 90º);
- **25.x** - **Z-type** (two flanges on the sensor side, turned at 90º or 180º)

-21.x / -21.x.К - full-flow (with one flange)

PN, atm (bar)	DN, mm							
	50	65	80	100	125	150	Sensor with DN100 flange, sensor diameter is **89 mm maximum**	Sensor with DN65 (or DN80) flange, sensor diameter is **57 mm (73 mm)**
							In **DN ≥ 200** pipelines the sensor is installed perpendicular to the flow. In **DN65…150** pipelines the sensor can be installed using a service tee	
6	**20.3**			**20.14 27.14**	**20.10**	**20.24 27.24**	**21.01**	**21.011**
10	**20.4, 27.4**		**20.6, 22.6, 27.6**	**20.16**		**20.19 27.19**	**21.02**	**21.021**
16	**20.5 22.5 24.5 25.5 27.5**							
5			**20.7**	**20.17 27.17**			**21.03**	**21.031**
40	**20.8 22.8 24.8 25.8**		**20.9 22.9 24.9 25.9**	**20.20 24.20 25.20**	**20.23**			**21.032**
63	**20.11 22.11 24.11 25.11**		**20.12 22.12 24.12 25.12**	**20.21 24.21 25.21**			**21.04**	**21.041 21.042**
100	**20.18 23.01 24.18 25.18**	**23.65 20.65**	**20.15**	**20.22**			**21.05**	**21.051**
160								
200	**23.02**							**21.061**