



**No. 7610-20 ANEROID BAROMETER WITH THERMOMETER**

**SPECIFICATIONS**

Measuring range: 930 to 1,070 hPa, 700 to 800 mmHg  
 Min. graduation: 1 hPa / 1 mmHg  
 Temperature compensation: Bimetal  
 Accuracy: ±1 hPa at 980 to 1,020 hPa  
 ±3 hPa at other range  
 Temperature: Glass thermometer  
 Range: -10 to 50°C  
 Accuracy: ±2°C  
 Usable altitude: Up to 500 m  
 Case material: Brass  
 Dimensions: Ø158 x 50 (D) mm  
 Weight: Approx. 690 g



**No. 7612-00 BAROMETER WITH DIGITAL THERMOMETER**

**SPECIFICATIONS**

Air pressure:  
 Measuring range: 945 to 1,045 hPa (black scale)  
 710 to 780 mmHg (red scale)  
 Min. graduation: 1 hPa / 1 mmHg  
 Accuracy: ±1 hPa at 980 to 1,020 hPa  
 ±3 hPa at other range  
 Temperature:  
 Measuring range: 0 to 50°C  
 Resolution: 0.1°C  
 Accuracy: ±1°C (at 0 to 40°C)  
 ±2°C at other range  
 Dimensions: Ø135 x 33 (D) mm  
 Weight: Approx. 220 g  
 Accessories: Bracket (Ø160 x 4 (D) mm), "AA" size battery x 1



**No. 7640-00 PRECISION FORTIN BAROMETER**

This instrument consists of Scale, Mercury-filled glass tube and Cistern. Scale is graduated in hPa (mb) and mmHg on a brass tube marking apex of ivory pointer as cardinal point and is read by the vernier in 0.1 mm graduation.

**SPECIFICATIONS**

Measuring method: Mercury column  
 Measuring range: 870 to 1,090 hPa  
 650 to 820 mmHg  
 Min. graduation: 1 hPa / 1 mmHg  
 Vernier readings: 0.1 hPa / 0.1 mmHg  
 Accuracy: ±0.5 hPa  
 Mounted Thermometer: Mercury-filled glass thermometer  
 Measuring range: -20 to 50°C  
 Min. graduation: 0.5°C  
 Dimensions: 1,130 (H) x 100 (W) x 100 (D) mm  
 Weight: Barometer: approx. 2.5 kg  
 Mounting board: approx. 1.8 kg

For the safety shipment, mercury is separately packed in a glass container.

The relation between elevation and air pressure (JIS W02101)

Elevation (m)	Air pressure (hPa)	Mercury column (mmHg)	Elevation (m)	Air pressure (hPa)	Mercury column (mmHg)	Elevation (m)	Air pressure (hPa)	Mercury column (mmHg)	Elevation (m)	Air pressure (hPa)	Mercury column (mmHg)
0	1013.25	760.00	750	926.34	694.81	1500	845.56	634.22	2250	770.58	577.98
50	1007.26	755.51	800	920.76	690.63	1550	840.38	630.34	2300	765.78	574.38
100	1001.29	751.03	850	915.22	686.47	1600	835.23	626.48	2350	761.01	570.80
150	995.36	746.58	900	909.70	682.33	1650	830.11	622.63	2400	756.26	567.24
200	989.45	742.15	950	904.21	678.21	1700	825.01	618.81	2450	751.53	563.69
250	983.58	737.74	1000	898.74	674.11	1750	819.94	615.00	2500	746.82	560.16
300	977.73	733.35	1050	893.31	670.04	1800	814.89	611.22	2550	742.14	556.65
350	971.90	728.99	1100	887.90	665.98	1850	809.87	607.45	2600	737.49	553.16
400	966.11	724.64	1150	882.51	661.94	1900	804.87	603.70	2650	732.86	549.69
450	960.35	720.32	1200	877.15	657.92	1950	799.90	599.97	2700	728.25	546.23
500	954.61	716.01	1250	871.82	653.92	2000	794.95	596.26	2750	723.66	542.79
550	948.90	711.73	1300	866.52	649.94	2050	790.03	592.57	2800	719.10	539.37
600	943.22	707.47	1350	861.24	645.98	2100	785.13	588.90	2850	714.56	535.96
650	937.56	703.23	1400	855.99	642.04	2150	780.26	585.24	2900	710.05	532.58
700	931.94	699.01	1450	850.76	638.12	2200	775.41	581.60	2950	705.55	529.21