

Barographs and Marine Barographs

Recording the atmospheric pressure



Barograph

housing made of cast aluminium and chrome steel white finish
movement brass dull chromated and chrome steel
glazing made of transparent synthetic material
dimensions 290x145x190 mm

- 225 Barograph with mechanical clockwork
- 225Q Barograph with quartz clockwork
- 227 Marine Barograph with mechanical clockwork
- 227Q Marine Barograph with quartz clockwork



Barograph

housing made of beech wood, mahogany stain finish
movement brass dull chromated and chrome steel
dimensions 345x170x180 mm

- 205M Barograph with mechanical clockwork
- 205MQ Barograph with quartz clockwork
- 207M Marine Barograph with mechanical clockwork
- 207MQ Marine Barograph with quartz clockwork



Barograph

housing made of beech wood, mahogany stain finish
movement brass polished and chrome steel
dimensions 345x170x180 mm

- 285M Barograph with mechanical clockwork
- 285MQ Barograph with quartz clockwork
- 287M Marine Barograph with mechanical clockwork
- 287MQ Marine Barograph with quartz clockwork



Barograph

housing made of beech wood mahogany stain finish, glazing faceted float glass
baseplate and movement brass polished, dimensions 345x190x185 mm

- 265M Barograph with mechanical clockwork
- 265MQ Barograph with quartz clockwork
- 267M Marine Barograph with mechanical clockwork
- 267MQ Marine Barograph with quartz clockwork

Features

Aneroid barographs are used to measure and record the history of atmospheric pressure. The measuring element in the Fischer barographs is a set of 7 aneroid capsules, manufactured of a copper-beryllium alloy that essentially eliminates age-hardening, hysteresis, and elastic after effects that could otherwise degrade the accuracy. The influence of temperature on the set of aneroid capsules and the transmission system is compensated by use of bimetal components over the full measuring range and for temperatures between -30 to +40 °C (-22 to 104 °F). All contacts in the movements are jewelled to reduce friction.

For each model there is a choice of mechanical wind-up clockworks or quartz clockworks, which can be shifted in an instant for daily, weekly or monthly revolution. The actual periods are 25.6 hrs. 176 hrs., and 783 hr. The recording instruments are delivered complete with fibre pens and a year's supply of recording charts.

Fischer instruments are unique in offering an option on each model with enhanced dampening for barograph use at sea.

Specification

Sensor

- 7 aneroid capsules ± 0.7 hPa

Measuring ranges

- 955 to 1055 hPa	0 to 150 m above sea level
- 930 to 1030 hPa	150 to 350 m above sea level
- 905 to 1005 hPa	350 to 600 m above sea level
- 880 to 980 hPa	600 to 850 m above sea level
- 855 to 955 hPa	850 to 1.100 m above sea level

Clockworks

- Mechanical drum recording clockwork according to DIN 58658
revolution times changeable: daily revolution 25.6 h, weekly revolution 176 h
autonomous operation 1 week
- Electronic quartz clockwork
revolution times changeable: daily revolution 25.6 h, weekly revolution 176 h, monthly revolution 783 h
autonomous operation 12 month with battery type LR6

Registration drum

- height 93 mm diameter 93.3 mm
- height of registration 80 mm
- chart division 1 hPa

Accessories (contained in delivery)

- 60 sheets of chart paper for weekly revolution
- 2 pieces of fibre tips
- battery type LR6 (electronically quartz clockwork)

Accessories

order number designation

Chart paper

11/2005	chart paper 210 T 1010	daily revolution (set of 100 sheets)
11/2020	chart paper 210 W 1010	weekly revolution (set of 60 sheets)
11/2022	chart paper 210 M 1010	monthly revolution (set of 13 sheets)

Fibre tips

11/1235	fibre tips black
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