

# PTB220TS Barometer Case and Battery

Vaisala's digital PTB220 Barometers are well suited for portable applications. They can be transported by normal surface and airmail, and the BAROCAP® Pressure Sensor maintains its accuracy even under rough conditions.

With the PTB220TS, barometers can be converted into portable units to be used as traveling and transfer standards. The PTB220TS kit includes an oak case, a sealed lead acid battery, and recharging electronics. The PTB220 Barometer can be installed in the case at the factory.



The oak case consists of an outer case that protects the barometer and an inner case in which the barometer is mounted. An integral valve keeps the pressure port closed during transport and open for measurement. The sealed lead acid battery is good for 12 hours of continuous use. It is normally recharged overnight, but it can also be recharged with a car battery.

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The case can be ordered separately for installation with the customer's existing PTB220 Barometer. The barometer must have the following features:

- 1, 2, or 3 pressure transducers
- class A accuracy
- local display
- RS232/485 serial interface



PRODUCT	PTB220TS	PTB220CASE
Order specification	Ordered together with a PTB220 Barometer, which is installed in the case at the factory	Ordered separately, if the customer already has a compatible PTB220 Barometer
Includes	<ul style="list-style-type: none"> <li>• Case, battery, and recharging electronics</li> <li>• Power cord for recharging from car cigarette lighter socket</li> <li>• DC plug for a local mains adaptor cord</li> <li>• Pressure connectors: for 1/8" tubing and a 5 mm connector</li> </ul>	

**TECHNICAL DATA****PTB220TS BAROMETER CASE AND BATTERY****ELECTRONICS**

Supply voltage 10...25 VDC

Current consumption 50 mA in battery operation  
(display backlight on)  
300 mA/10 V, 130 mA/25 V  
(recharging, battery empty)  
100 mA/10 V, 40 mA/25 V  
(battery full)

Communication interfaces

RS232 full-/half-duplex

RS485 half-duplex

Connectors 9-pin female sub D-connector  
6-pin 5-mm screw-terminal bus

Battery

Type NP0.8-12 (12 V/800 mAh)

Manufacturer YUASA

Operating time 12 hours continuous use  
(display backlight on)

Recharging time 12 hours (typical)

Fuse 1 A

Housing

Size (W x H x D) 25 cm x 24 cm x 22 cm

Weight 7 kg (including the barometer)

Complies with EMC standard EN61326-1:1997 +  
Am1:1998; Generic Environment.

**ACCESSORIES**

17371 AC adapter for 230 VAC with EURO plug



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Vaisala Oyj  
P.O.Box 26  
FIN-00421 Helsinki  
FINLAND

Phone: (+358 9) 89 491  
Telefax: (+358 9) 8949 2485

<http://www.vaisala.com>  
[industrialsales@vaisala.com](mailto:industrialsales@vaisala.com)