

Title (en)  
PRESSURE MEASURING UNIT FOR ULTRASOUND MEASURING DEVICES

Title (de)  
DRUCKMESSEINRICHTUNG FÜR ULTRASCHALLMESSVORRICHTUNGEN

Title (fr)  
SYSTEME DE MESURE DE PRESSION POUR DISPOSITIFS DE MESURE PAR ULTRASON

Publication  
**EP 1558147 A1 20050803 (DE)**

Application  
**EP 03750234 A 20031023**

Priority  

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- CH 0300689 W 20031023
- EP 02405916 A 20021028

Abstract (en)  
[origin: EP1415596A1] The pressure meter (5), to be coupled to an ultrasonic measurement head (7), has a housing with a rear window which is transparent to ultrasonic waves. The window (20) is rigid with a maximum thickness of 1 mm and preferably 0.5-0.7 mm, covered at the leading side by a flexible membrane (13) with a thickness of 0.4-0.5 mm. The pressure meter (5), to be coupled to an ultrasonic measurement head (7), has a housing with a rear window which is transparent to ultrasonic waves. The window (20) is rigid with a maximum thickness of 1 mm and preferably 0.5-0.7 mm, covered at the leading side by a flexible membrane (13) with a thickness of 0.4-0.5 mm. The pressure meter is filled with a liquid (11), containing water and transparent to ultrasonic waves, and preferably a mixture of glycerin and water in a ratio of 85:15. The pressure on the membrane allows measurement of the pressure in the fluid.

IPC 1-7  
**A61B 8/00**

IPC 8 full level  
**A61B 8/00** (2006.01)

CPC (source: EP)  
**A61B 5/6843** (2013.01); **A61B 8/4281** (2013.01)

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