CERTIFICATE OF CALIBRATION

ENTERPRISE IRELAND

ISSUED BY NATIONAL METROLOGY LABORATORY
Glasnevin Dublin 9
Ireland

CLIENT:

Pumpwatch Ltd
PO Box 125
Clane
Co Kildare

Certificate No.: L6105/2

File No.: R6/00008F

Job No.: 116975/2

Order No.: A Byrne

Attention: Alan Byrne

Date Recd: 6/12/99

Description: Pumpwatch CFX20 Prover Vessel

Serial No: Man. No. 948T29

Calibration Temperature: 20°C ± 1.0°C

Calibration Standards:	Mettler ID 5	Ser. No 1960982
	Mettler KB50-2	196088
	OIML Class M1 Masses	202,210
	Comark 9001 Thermometer	728655
	Comark Probe	1171

Method: The CFX20 measure was calibrated by determining the volume of water that is required to fill the dry vessel. The prover was filled to above the overflow with distilled water at a nominal temperature of 20°C. The distilled water volume was determined using a gravimetric method. The overflow valve was then opened and the measured valued compared with the determined value. The measured value was then adjusted to be within ± 1mL of the determined value.

Calibration Date: 6th December 1999

Date of Issue: 9 December 1999

Calibration By: Dermot P Clancy
Dermot Clancy

Approved By: P. Hetherington
Paul Hetherington

Client work - Terms and Conditions - See overleaf

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RESULTS:

The vessel was adjusted to be within ± 1 mL of the nominal value of 20 litre

COMMENTS:

The volume was determined with an uncertainty of ± 0.05% and a confidenc
of 95%.

All measurements made are traceable through standards maintained by the Na
Metrology Laboratory, Enterprise Ireland to National and International Stand