Laboratory Accreditation Programmes

Schedule to CERTIFICATE OF ACCREDITATION



ScaleLogic Limited		Client Number 9430			
6 Gurr Place, Ara Telephone 06 3	moho, Whanganui, 4500 347-2253	www.scalelogic.co.nz/			
Authorised Repr Mr Mike Adamsor Director	esentative າ				
Programme Metrology & Calib Accreditation Nu	ration Laboratory Imber 1427	Initial Accreditation Date 23 March 2023			
Conformance Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories					
Laboratory Services Summary					
4.55 5.44	Pipes, Hoses, Valves and Fittings Pressure and Vacuum				
Key Technical Personnel					
Mr Mike Adamson	n 4.55, 5.	14			

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IANZ; Building 7, Central Park, 660-670 Great South Road, Ellerslie, Auckland 1051 Private Bag 28908, Remuera, Auckland 1541 Tel 09-525 6655 <u>info@ianz.govt.nz</u> ianz.govt.nz								

Schedule to CERTIFICATE OF ACCREDITATION



ScaleLogic Limited Metrology & Calibration Laboratory SCOPE OF ACCREDITATION

Accreditation Number 1427

Calibration and Measurement Capability (CMC) uncertainties are expressed as an expanded uncertainty corresponding to a level of confidence of 95 % ^{Note1}.

Measurement results are traceable to the International System of Units (SI) via an unbroken chain of comparisons to the New Zealand National Standards or to the National Standards of other Signatories to the CIPM MRA.

Measurements can be made in the laboratory or at the customer's premises. The laboratory maintains a temperature of 20 °C \pm 5 °C.

4.55 Pipes, Hoses, Valves and Fittings

(e) Other tests

The testing of Pressure Relief Valves up to 70 bar in accordance with in-house methods.

5.44 Pressure and Vacuum

(a) Pressure gauges

By comparison with reference gauges to an in-house method to determine accuracy requirements for BS EN 837-1, ASME B40.100, or to manufacturer's specifications.

Pressure range

CMC Uncertainty

0 bar to 1 bar 1 bar to 20 bar 20 bar to 70 bar 0.0019 bar 0.007 bar 0.01 bar

1 bar = 100 kPa

Test medium is air or Nitrogen. Maximum vacuum achievable is subject to ambient barometric pressure conditions

Pressure gauges of accuracy 1 %, 1.6 %, 2.5 %, 4 % (accuracy classes as defined in BS EN 837-1 or equivalent in similar standards)

Note 1:

Unless stated otherwise the CMC Uncertainty is based on the performance of the best commercially available device and measurement uncertainties achieved for specific calibrations may be greater than the CMC. A laboratory may not report measurement uncertainties lower than its CMC. However, if the device under calibration has a greater accuracy than the device used to calculate the CMC the laboratory may be able to use the calibration data to lower its CMC. Please contact the laboratory to discuss your specific requirements.

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