

# Schedule of Accreditation



Organisation Name	Baker Hughes EMEA
Trading As	
INAB Reg No	44C
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Website	<a href="https://www.bakerhughesds.com">https://www.bakerhughesds.com</a>
Accreditation Standard	EN ISO/IEC 17025 C
Standard Version	2017
Date of award of accreditation	14/07/2003
Scope Classification	Metrology
Services available to the public <sup>1</sup>	No

<sup>1</sup> Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Head Office	Sensing House, Shannon Free Zone East, Smithstown, Clare, V14 V992

# Scope of Accreditation

## Head Office

### Metrology

Category: A

Metrology field - Calibrated Device Type	Measured quantity	Calibration range	Expanded Measurement Uncertainty	Std. ref/SOP	Products	Remarks
105 Flow - .05 Liquid meters	Calibration of Clamp-on Ultrasonic Flow Meters (2 inch Master Meter)	1 m <sup>3</sup> /hour to 60 m <sup>3</sup> /hour	0.60 %	By comparison as per Baker Hughes procedure: PS-864	Clamp on Ultrasonic Flow Meters	N/A
	Calibration of Clamp-on Ultrasonic Flow Meters (6 inch Master Meter)	16 m <sup>3</sup> /hour to 400 m <sup>3</sup> /hour	0.60 %	By comparison as per Baker Hughes procedure: PS-864	Clamp on Ultrasonic Flow Meters	N/A
	Calibration of ultrasonic clamp on meters using a 2"&4" ultrasonic wetted meter as reference	1-2500 ltr/min	1%	By comparison as per Baker Hughes procedure: PS-201	Clamp on Ultrasonic Flow Meters	N/A
	Calibration of wetted flow meters Medium - Water (2 inch Master Meter)	1 m <sup>3</sup> /hour to 4 m <sup>3</sup> /hour 4 m <sup>3</sup> /hour to 60 m <sup>3</sup> /hour	0.24% 0.080%	By comparison as per Baker Hughes procedure: PS-864	Wetted liquid meters (Medium - Water)	N/A
	Calibration of wetted flow meters Medium - Water (6 inch Master Meter)	16 m <sup>3</sup> /hour to 20 m <sup>3</sup> /hour 20 m <sup>3</sup> /hour to 400 m <sup>3</sup> /hour	0.10% 0.090%	By comparison as per Baker Hughes procedure: PS-864	Wetted liquid meters (Medium - Water)	N/A
105 Flow - .11 Liquid		16 m <sup>3</sup> /hour to 20	0.10%	By comparison as	Wetted liquid meters	N/A

meters		m <sup>3</sup> /hour 20 m <sup>3</sup> /hour to 600 m <sup>3</sup> /hour	0.090%	per Baker Hughes procedure: PS-864	(Medium - Water)	
116 Hygrometry - .01 Humidity testing device	Measurement of dew point	-75 °C to +10 °C dew point	0.70 °C at -75 °C 0.40 °C at -60 °C 0.30 °C at -50 °C 0.30 °C at -30 °C 0.30 °C at -20 °C 0.30 °C at -10 °C 0.30 °C at 0.0 °C 0.30 °C at +10 °C	By comparison as per Baker Hughes procedure: PS-830	Hygrometers	N/A
116 Hygrometry - .99 Other hydrometers	Calibration of relative humidity reference salt solutions	11 %rh to 90 %rh	2.0 % at 11 % rh 2.1 % at 22 % rh 2.0 % at 33 % rh 2.4 % at 54 % rh 2.5 % at 75 % rh 2.4 % at 80 % rh 2.7 % at 90 % rh	By comparison as per Baker Hughes procedure: PS-900	Humitrace Reference Salt Solutions	N/A

*Calibration and Measurement Capability (CMC) is expressed in terms of the following parameters:*

- Measurand or reference material*
- Calibration or measurement method or procedure and type of instrument or material calibrated/measured*
- Measurement range and additional parameters where applicable*
- Measurement uncertainty.*

*Measurement uncertainty shall be reported in compliance with EA 4/02 "Evaluation of the Uncertainty of Measurement in Calibration".*

*In accordance with INAB policy, uncertainties are calculated for an estimated confidence level of not less than 95%.*

*\* Notes:*

- 1. For Liquid Moisture Sensors traceability and accreditation are in terms of humidity in air only*