



**Manufacture,
repair certify
and supply**



GNW Instrumentation

A division of Gauges North West Ltd

101A Sefton Street
Southport
PR8 5DD

tel: 01704 536 010

fax: 01704 548 028

email: sales@gnw.co.uk

web: www.gnw.co.uk

- Thermometers & pressure gauges
- Electronic instrumentation
- Test equipment & calibration
- Scales, balances & weights
- Pneumatic & hydraulic equipment
- Chart recorders
- Thermocouples
- Transducers & transmitters
- Flowmeters

TEST CERTIFICATE NUMBER: **78487/044**

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/044
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.0	0.0	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.0	0.0	N/A	N/A

Using Test Equipment traceable to National or International Standards, we confirm the uncertainties of measurement are of a confident probability of not less than 95%. The uncertainty of error has been calculated using a formula ($KEx2 = \text{Known Errors} \times 2$).

Authorised Signature

Conditions of certification

Units received for certification ONLY will be inspected for calibration ONLY - NO inspection of the unit internals will be undertaken. Gauges North West Ltd does not accept responsibility for failure after despatch from our works. Units new or repaired by Gauges North West Ltd will remain covered by usual warranties.



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TEST CERTIFICATE NUMBER: **78487/045**

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/045
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	40.0	0.0	N/A	N/A
60.0	60.2	+0.2	N/A	N/A

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- Flowmeters

TEST CERTIFICATE NUMBER: **78487/046**

Instrument: **63mm Compound Gauge**
Manufacturer: **Gauges North West Ltd**
Serial Number: **78487/046**
Range: **-5 to +60 cm/H²O**
Customer: **Viamed Ltd**
Address: **Keighley**
Date Of Calibration: **21 September 2017**
Test Equipment Used: **Druck DPI 601 Serial No: 5132/91-1**
Traceable To: **National Standards via certificate no: INT002**
Test Increments In: **cm/H²O**
Accuracy: **±1.6%**
Barometric Pressure: **1011mbar** Humidity: **58%**

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-4.9	+0.1	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	19.9	-0.1	N/A	N/A
40.0	40.0	0.0	N/A	N/A
60.0	59.9	-0.1	N/A	N/A

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Manufacturer: Gauges North West Ltd
Serial Number: 78487/047
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
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Humidity: 58%

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-5.0	-5.1	-0.1	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.3	+0.3	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	59.8	-0.2	N/A	N/A

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TEST CERTIFICATE NUMBER: 78487/048

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Manufacturer: Gauges North West Ltd
Serial Number: 78487/048
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-4.9	+0.1	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	19.9	-0.1	N/A	N/A
40.0	39.8	-0.2	N/A	N/A
60.0	59.9	-0.1	N/A	N/A

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Manufacturer: Gauges North West Ltd
Serial Number: 78487/049
Range: -5 to +60 cm/H²O
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Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: $\pm 1.6\%$
Barometric Pressure: 1011mbar Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.2	-0.2	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.2	+0.2	N/A	N/A

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TEST CERTIFICATE NUMBER: **78487/050**

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/050
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
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Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.1	-0.1	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	40.0	0.0	N/A	N/A
60.0	60.0	0.0	N/A	N/A

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TEST CERTIFICATE NUMBER: 78487/051

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/051
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
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Barometric Pressure: 1011mbar
Humidity: 58%

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-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	40.2	+0.2	N/A	N/A
60.0	60.1	+0.1	N/A	N/A

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TEST CERTIFICATE NUMBER: 78487/052

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/052
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar Humidity: 58%

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-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.0	0.0	N/A	N/A
40.0	40.0	0.0	N/A	N/A
60.0	60.1	+0.1	N/A	N/A

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Manufacturer: Gauges North West Ltd
Serial Number: 78487/053
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
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-5.0	-4.9	+0.1	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	19.9	-0.1	N/A	N/A
40.0	40.0	0.0	N/A	N/A
60.0	60.0	0.0	N/A	N/A

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Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
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-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.0	0.0	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.1	+0.1	N/A	N/A

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TEST CERTIFICATE NUMBER: 78487/055

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/055
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
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Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar Humidity: 58%

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-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.2	+0.2	N/A	N/A

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TEST CERTIFICATE NUMBER: **78487/056**

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Serial Number: 78487/057
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20.0	19.9	-0.1	N/A	N/A
40.0	39.8	-0.2	N/A	N/A
60.0	59.8	-0.2	N/A	N/A

Using Test Equipment traceable to National or International Standards, we confirm the uncertainties of measurement are of a confident probability of not less than 95%. The uncertainty of error has been calculated using a formula ($KEx2 = \text{Known Errors} \times 2$).

Authorised Signature

Conditions of certification

Units received for certification ONLY will be inspected for calibration ONLY - NO inspection of the unit internals will be undertaken. Gauges North West Ltd does not accept responsibility for failure after despatch from our works. Units new or repaired by Gauges North West Ltd will remain covered by usual warranties.



Manufacture,
repair certify
and supply



GNW Instrumentation

A division of Gauges North West Ltd

101A Sefton Street
Southport
PR8 5DD

tel: 01704 536 010

fax: 01704 548 028

email: sales@gnw.co.uk

web: www.gnw.co.uk

- Thermometers & pressure gauges
- Electronic instrumentation
- Test equipment & calibration
- Scales, balances & weights
- Pneumatic & hydraulic equipment
- Chart recorders
- Thermocouples
- Transducers & transmitters
- Flowmeters

TEST CERTIFICATE NUMBER: **78487/058**

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/058
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	39.7	-0.3	N/A	N/A
60.0	60.0	0.0	N/A	N/A

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- Transducers & transmitters
- Flowmeters

TEST CERTIFICATE NUMBER: 78487/059

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/059
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.0	0.0	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.1	+0.1	N/A	N/A

Using Test Equipment traceable to National or International Standards, we confirm the uncertainties of measurement are of a confident probability of not less than 95%. The uncertainty of error has been calculated using a formula ($KEx2 = \text{Known Errors} \times 2$).

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- Flowmeters

TEST CERTIFICATE NUMBER: 78487/060

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/060
Range: -5 to +60 cm/H²O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H²O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.2	+0.2	N/A	N/A
40.0	40.3	+0.3	N/A	N/A
60.0	60.2	+0.2	N/A	N/A

Using Test Equipment traceable to National or International Standards, we confirm the uncertainties of measurement are of a confident probability of not less than 95%. The uncertainty of error has been calculated using a formula ($KEx2 = \text{Known Errors} \times 2$).

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TEST CERTIFICATE NUMBER: 78487/061

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/061
Range: -5 to +60 cm/H₂O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H₂O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.0	0.0	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.1	+0.1	N/A	N/A

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- Thermocouples
- Transducers & transmitters
- Flowmeters

TEST CERTIFICATE NUMBER: **78487/062**

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/062
Range: -5 to +60 cm/H₂O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H₂O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar
Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-5.0	0.0	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	19.9	-0.1	N/A	N/A
40.0	39.8	-0.2	N/A	N/A
60.0	59.9	-0.1	N/A	N/A

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TEST CERTIFICATE NUMBER: 78487/063

Instrument: 63mm Compound Gauge
Manufacturer: Gauges North West Ltd
Serial Number: 78487/063
Range: -5 to +60 cm/H₂O
Customer: Viamed Ltd
Address: Keighley
Date Of Calibration: 21 September 2017
Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1
Traceable To: National Standards via certificate no: INT002
Test Increments In: cm/H₂O
Accuracy: ±1.6%
Barometric Pressure: 1011mbar Humidity: 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustment
-5.0	-4.9	+0.1	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	20.1	+0.1	N/A	N/A
40.0	40.1	+0.1	N/A	N/A
60.0	60.1	+0.1	N/A	N/A

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