



**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](mailto:sales@gnw.co.uk)

web: [www.gnw.co.uk](http://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: 78487/043

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/043  
**Range:** -5 to +60 cm/H<sub>2</sub>O  
**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/H<sub>2</sub>O  
**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	40.0	0.0	N/A	N/A
60.0	59.9	-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 ( $KEx2 = \text{Known Errors} \times 2$ ).

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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- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/064

Instrument: **63mm Compound Gauge**  
 Manufacturer: **Gauges North West Ltd**  
 Serial Number: **78487/064**  
 Range: **-5 to +60 cm/H<sup>2</sup>O**  
 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/H<sup>2</sup>O**  
 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	40.2	+0.2	N/A	N/A
60.0	60.3	+0.3	N/A	N/A

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Authorised Signature

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- Transducers & transmitters
- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/065

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/065  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	-4.8	+0.2	N/A	N/A
0.0	0.0	0.0	N/A	N/A
20.0	19.8	-0.2	N/A	N/A
40.0	39.9	-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 = Known Errors x 2).

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## TEST CERTIFICATE NUMBER: 78487/066

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/066  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	39.8	-0.2	N/A	N/A
60.0	59.8	-0.2	N/A	N/A

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## TEST CERTIFICATE NUMBER: 78487/067

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/067  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	39.7	-0.3	N/A	N/A
60.0	59.8	-0.2	N/A	N/A

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## TEST CERTIFICATE NUMBER: **78487/068**

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/068  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	19.9	-0.1	N/A	N/A
40.0	39.8	-0.2	N/A	N/A
60.0	59.7	-0.3	N/A	N/A

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## TEST CERTIFICATE NUMBER: 78487/069

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/069  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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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## TEST CERTIFICATE NUMBER: 78487/070

Instrument: **63mm Compound Gauge**  
Manufacturer: **Gauges North West Ltd**  
Serial Number: **78487/070**  
Range: **-5 to +60 cm/H<sup>2</sup>O**  
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/H<sup>2</sup>O**  
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	19.7	-0.3	N/A	N/A
40.0	39.6	-0.4	N/A	N/A
60.0	59.8	-0.2	N/A	N/A

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## TEST CERTIFICATE NUMBER: 78487/071

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/071  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**Customer:** Vlamed 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/H<sup>2</sup>O  
**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	39.7	-0.3	N/A	N/A
60.0	59.7	-0.3	N/A	N/A

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## TEST CERTIFICATE NUMBER: 78487/072

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/072  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.2	+0.2	N/A	N/A
60.0	60.3	+0.3	N/A	N/A

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## TEST CERTIFICATE NUMBER: 78487/073

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/073  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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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**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
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40.0	39.8	-0.2	N/A	N/A
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## TEST CERTIFICATE NUMBER: 78487/074

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/074  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	60.5	+0.5	N/A	N/A

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- Thermocouples
- Transducers & transmitters
- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/075

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/075  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.1	+0.1	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 ( $KEx2 = \text{Known Errors} \times 2$ ).

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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**GNW Instrumentation**

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- Pneumatic & hydraulic equipment
- Chart recorders
- Thermocouples
- Transducers & transmitters
- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/076

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/076  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.0	0.0	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

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- Thermocouples
- Transducers & transmitters
- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/077

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/077  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	60.0	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

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- Thermocouples
- Transducers & transmitters
- Flowmeters

## TEST CERTIFICATE NUMBER: **78487/078**

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/078  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.0	0.0	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 = Known Errors x 2).

Authorised Signature

### Conditions of certification

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- Chart recorders
- Thermocouples
- Transducers & transmitters
- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/079

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/079  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	60.2	+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 ( $KEx2 = \text{Known Errors} \times 2$ ).

Authorised Signature

### Conditions of certification

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## TEST CERTIFICATE NUMBER: 78487/080

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/080  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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

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 = Known Errors x 2).

Authorised Signature

### Conditions of certification

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- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/081

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/081  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	20.0	0.0	N/A	N/A
40.0	40.0	0.0	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 = Known Errors x 2).

Authorised Signature

### Conditions of certification

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

## TEST CERTIFICATE NUMBER: 78487/082

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/082  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	60.2	+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 ( $KEx2 = \text{Known Errors} \times 2$ ).

Authorised Signature

### Conditions of certification

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## TEST CERTIFICATE NUMBER: **78487/083**

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/083  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.0	0.0	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

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## TEST CERTIFICATE NUMBER: 78487/084

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/084  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.2	+0.2	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 ( $KEx2 = \text{Known Errors} \times 2$ ).

Authorised Signature

### Conditions of certification

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## TEST CERTIFICATE NUMBER: **78487/085**

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/085  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	20.0	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

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- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/086

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/086  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	-5.2	-0.2	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	40.0	0.0	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

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## TEST CERTIFICATE NUMBER: 78487/087

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/087  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.0	0.0	N/A	N/A
60.0	59.9	-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 ( $KEx2 = \text{Known Errors} \times 2$ ).

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](mailto:sales@gnw.co.uk)

web: [www.gnw.co.uk](http://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: 78487/088

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/088  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	19.8	-0.2	N/A	N/A
40.0	40.0	0.0	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 ( $KEx2 = \text{Known Errors} \times 2$ ).

Authorised Signature

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## TEST CERTIFICATE NUMBER: 78487/089

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/089  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	40.2	+0.2	N/A	N/A
60.0	60.3	+0.3	N/A	N/A

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Authorised Signature

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- Flowmeters

## TEST CERTIFICATE NUMBER: 78487/090

**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/090  
**Range:** -5 to +60 cm/H<sup>2</sup>O  
**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/H<sup>2</sup>O  
**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	19.7	-0.3	N/A	N/A
40.0	40.3	+0.3	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 = Known Errors x 2).

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**Instrument:** 63mm Compound Gauge  
**Manufacturer:** Gauges North West Ltd  
**Serial Number:** 78487/091  
**Range:** -5 to +60 cm/H<sub>2</sub>O  
**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/H<sub>2</sub>O  
**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	-4.8	+0.2	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	39.7	-0.3	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 ( $KEx2 = \text{Known Errors} \times 2$ ).

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