

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: 78487/043

Instrument:

63mm Compound Gauge

Manufacturer: **Serial Number:**  Gauges North West Ltd 78487/043

Range

-5 to +60 cm/H20

**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:

**Barometric Pressure** 

cm/H<sup>2</sup>0 ±1.6%

Accuracy

1011mbar

**Humidity** 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustmen
-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
		31.4		
	\(\text{\tint{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\tex{\tex	(4)		
		-		

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

Lu Chi

Conditions of certification



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- Pneumatic & hydraulic equipment

Chart recorders

Thermocouples

Transducers & transmitters

Flowmeters

# TEST CERTIFICATE NUMBER: 78487/064

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/064

Range

-5 to +60 cm/H20

**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>0

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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- Scales, balances & weights
- Pneumatic & hydraulic equipment

Chart recorders

Thermocouples

Transducers & transmitters

Flowmeters

## TEST CERTIFICATE NUMBER: 78487/065

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number: Gauges North West Ltd 78487/065

Range

-5 to +60 cm/H<sup>2</sup>0

**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: INTO02

Test Increments In:

**Barometric Pressure** 

cm/H<sup>2</sup>0

Accuracy

±1.6% 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
		1		

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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Thermometers & pressure gauges

Electronic instrumentation

Test equipment & calibration

Scales, balances & weights

Pneumatic & hydraulic equipment

Chart recorders

**Thermocouples** 

Transducers & transmitters

Flowmeters

TEST CERTIFICATE NUMBER: 78487/066

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/066

Range

-5 to +60 cm/H20

**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:

**Barometric Pressure** 

cm/H<sup>2</sup>0

Accuracy

±1.6%

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
		211		

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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Conditions of certification



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Test equipment & calibration

Thermometers & pressure gauges

Electronic instrumentation

Scales, balances & weights

Pneumatic & hydraulic equipment

TEST CERTIFICATE NUMBER: 78487/067

Instrument:

63mm Compound Gauge Gauges North West Ltd

Manufacturer: Serial Number:

78487/067

Range

-5 to +60 cm/H20

**Customer:** 

Viamed Ltd

Address:

Keighley

**Date Of Calibration:** 

21 September 2017

Test Equipment Used: Druck DPI 601 Serial No: 5132/91-1

Chart recorders

**Thermocouples** 

Flowmeters

Transducers & transmitters

Traceable To:

National Standards via certificate no: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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
				120

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

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Conditions of certification



Test equipment & calibration

Pneumatic & hydraulic equipment

Scales, balances & weights

**GNW Instrumentati** 

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Thermometers & pressure gauges Chart recorders

> **Thermocouples** Transducers & transmitters

Flowmeters

## TEST CERTIFICATE NUMBER: 78487/068

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/068

Range

-5 to +60 cm/H20

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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 Adjustmen
-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
		11		

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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

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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: 78487/069

Instrument:

63mm Compound Gauge

Manufacturer: **Serial Number:**  Gauges North West Ltd 78487/069

Range

-5 to +60 cm/H20

**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: INTO02

Test Increments In:

**Barometric Pressure** 

cm/H<sup>2</sup>0 ±1.6%

Accuracy

1011mbar

Humidity 58%

Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustmen
-5.0	0.0	N/A	N/A
0.0	0.0	N/A	N/A
20.0	0.0	N/A	N/A
40.1	+0.1	N/A	N/A
60.1	+0.1	N/A	N/A
	10 -11		
	- XIII		
	-5.0 0.0 20.0 40.1	BEFORE Adjustment	BEFORE Adjustment         Adjustment         Adjustment           -5.0         0.0         N/A           0.0         0.0         N/A           20.0         0.0         N/A           40.1         +0.1         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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

Lu Che

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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: 78487/070

Instrument:

63mm Compound Gauge

Manufacturer: **Serial Number:** 

Gauges North West Ltd 78487/070

Range

-5 to +60 cm/H20

**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:

**Barometric Pressure** 

cm/H<sup>2</sup>0

Accuracy

±1.6% 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
	77			

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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Thermometers & pressure gauges

Electronic instrumentation

Test equipment & calibration

Scales, balances & weights

Pneumatic & hydraulic equipment

Chart recorders

**Thermocouples** Transducers & transmitters

Flowmeters

# 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>0

**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:

**Barometric Pressure** 

cm/H<sup>2</sup>0

Accuracy

±1.6%

1011mbgr

**Humidity** 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustmen
-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
		- 1000		
		- III		

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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: 78487/072

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/072

Range

-5 to +60 cm/H20

**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>0

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 Adjustmen
-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
		No.		
				Table Carried

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Chart recorders

Thermometers & pressure gauges Electronic instrumentation

Test equipment & calibration

Scales, balances & weights

Pneumatic & hydraulic equipment

Transducers & transmitters

Thermocouples

Flowmeters

TEST CERTIFICATE NUMBER: 78487/073

Instrument:

63mm Compound Gauge

Manufacturer: **Serial Number:**  Gauges North West Ltd 78487/073

Range

-5 to +60 cm/H20

**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:

**Barometric Pressure** 

cm/H<sup>2</sup>0

Accuracy

±1.6%

1011mbar

Humidity 58%

Applied Test Value	Actual Reading BEFORE Adjustment	Actual Error BEFORE Adjustment	Actual Reading AFTER Adjustment	Error AFTER Adjustmen
-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	59.8	-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 ( $KEx2 = Known Errors \times 2$ ).

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Chart recorders

Thermocouples

Test equipment & calibration Scales, balances & weights

Electronic instrumentation

Pneumatic & hydraulic equipment

Thermometers & pressure gauges

Transducers & transmitters Flowmeters

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>0

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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

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

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Conditions of certification



Test equipment & calibration

Scales, balances & weights

GNW Instrumentati

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Southport

PR8 5DD

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email: sales@anw.co.uk web: www.gnw.co.uk

Chart recorders

Thermocouples Transducers & transmitters

Flowmeters

Pneumatic & hydraulic equipment

Thermometers & pressure gauges

## TEST CERTIFICATE NUMBER: 78487/075

Instrument:

63mm Compound Gauge

Manufacturer: **Serial Number:**  Gauges North West Ltd

78487/075

Range

-5 to +60 cm/H20

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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 Adjustmen
-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
				4)-0
				10000 10000

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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### Conditions of certification



GNW Instrumentati

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Chart recorders

Flowmeters

Thermocouples Transducers & transmitters

Test equipment & calibration

Scales, balances & weights Pneumatic & hydraulic equipment

Thermometers & pressure gauges

TEST CERTIFICATE NUMBER: 78487/076

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/076

Range

-5 to +60 cm/H20

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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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

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Chart recorders

Thermocouples

Test equipment & calibration Scales, balances & weights

Electronic instrumentation

Pneumatic & hydraulic equipment

Thermometers & pressure gauges

 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/H20

**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>0

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
		7-1-		

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

Lu Chi

### Conditions of certification



Test equipment & calibration

Scales, balances & weights

Thermometers & pressure gauges

Pneumatic & hydraulic equipment

**GNW Instrumentat** 

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Southport

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email: sales@gnw.co.uk web: www.gnw.co.uk

Chart recorders

**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>0

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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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

Lu Che

### Conditions of certification



Test equipment & calibration

GNW Instrumental

101A Sefton Street Southport PR8 5DD

tel: 01704 536 010 fax: 01704 548 028

email: sales@anw.co.uk web: www.gnw.co.uk

Chart recorders

Thermocouples Transducers & transmitters

Flowmeters

Scales, balances & weights Pneumatic & hydraulic equipment

Thermometers & pressure gauges

## TEST CERTIFICATE NUMBER: 78487/079

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/079

Range

-5 to +60 cm/H20

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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
				1

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

Lu Chi

### Conditions of certification



Test equipment & calibration

Scales, balances & weights

Thermometers & pressure gauges

GNW Instrumentati

101A Sefton Street

Southport

PR8 5DD

tel: 01704 536 010 fax: 01704 548 028

email: sales@anw.co.uk web: www.gnw.co.uk

Chart recorders

Thermocouples

 Transducers & transmitters Flowmeters

Pneumatic & hydraulic equipment

# 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>0

**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>0

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 Adjustmen
-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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

Lu Chi

### Conditions of certification



**GNW Instrumentati** 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: 78487/081

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number: Gauges North West Ltd 78487/081

Range

-5 to +60 cm/H20

**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>0

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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

Lu Chi

### Conditions of certification



A division of Gauges North West Ltd

101A Sefton Street

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tel: 01704 536 010 fax: 01704 548 028

email: sales@anw.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: 78487/082

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number:

Gauges North West Ltd 78487/082

Range

-5 to +60 cm/H<sup>2</sup>0

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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 Adjustmen
-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
		41-		

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

Lu Chi

#### Conditions of certification



GNW Instrumentati

101A Sefton Street

Southport

PR8 5DD tel: 01704 536 010

fax: 01704 548 028

email: sales@gnw.co.uk web: www.gnw.co.uk

Chart recorders

Thermocouples

Test equipment & calibration Transducers & transmitters Flowmeters

Scales, balances & weights Pneumatic & hydraulic equipment

Thermometers & pressure gauges

TEST CERTIFICATE NUMBER: 78487/083

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number:

Gauges North West Ltd 78487/083

Range

-5 to +60 cm/H20

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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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

Lu Che

### Conditions of certification



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: 78487/084

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number:

Gauges North West Ltd 78487/084

Range

-5 to +60 cm/H<sup>2</sup>0

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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
				7

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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

Lu Chi

#### Conditions of certification



Test equipment & calibration

**GNW** Instrumentati

101A Sefton Street

Southport

PR8 5DD

tel: 01704 536 010 fax: 01704 548 028

email: sales@gnw.co.uk web: www.gnw.co.uk

Chart recorders

Thermocouples

Scales, balances & weights

Thermometers & pressure gauges

Pneumatic & hydraulic equipment

Transducers & transmitters Flowmeters

# TEST CERTIFICATE NUMBER: 78487/085

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/085

Range

-5 to +60 cm/H20

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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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 = Known Errors x 2).

Authorised Signature

Lu Che

### Conditions of certification



A division of Gauges North West Ltd

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Southport PR8 5DD

tel: 01704 536 010 fax: 01704 548 028

email: <u>sales@gnw.co.uk</u> web: <u>www.gnw.co.uk</u>

Thermometers & pressure gauges

- Electronic instrumentation
- Test equipment & calibration
- Scales, balances & weights
- Pneumatic & hydraulic equipment

Chart recorders

- Thermocouples
- Transducers & transmitters
- Flowmeters

TEST CERTIFICATE NUMBER: 78487/086

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number:

Gauges North West Ltd 78487/086

Range

-5 to +60 cm/H20

**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>0

**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 = Known Errors x 2).

Authorised Signature

Lu Chi

#### Conditions of certification



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

Test equipment & calibration

Scales, balances & weights

Electronic instrumentation

Pneumatic & hydraulic equipment

Chart recorders

Thermocouples

Transducers & transmitters

Flowmeters

## TEST CERTIFICATE NUMBER: 78487/087

Instrument:

63mm Compound Gauge

Manufacturer:

**Gauges North West Ltd** 

Serial Number:

78487/087

Range

-5 to +60 cm/H20

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>0

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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

Lu Chi

#### Conditions of certification



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: 78487/088

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/088

Range

-5 to +60 cm/H<sup>2</sup>0

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>0

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
		1		

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 ( $KEx2 = Known Errors \times 2$ ).

Authorised Signature

Lu Chi

Conditions of certification



101A Sefton Street

Southport

PR8 5DD

tel: 01704 536 010 fax: 01704 548 028

email: sales@anw.co.uk web: www.anw.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: 78487/089

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

78487/089

Range

-5 to +60 cm/H20

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>0

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 Adjustmen
-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
		SII.		

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

Lu Chi

#### Conditions of certification



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: 78487/090

Instrument:

63mm Compound Gauge

Manufacturer: Serial Number:

Gauges North West Ltd 78487/090

Range

-5 to +60 cm/H20

**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: INTO02

Test Increments In:

cm/H<sup>2</sup>0

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 Adjustmen
-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).

Authorised Signature

Lu Shi

### Conditions of certification



Test equipment & calibration

Pneumatic & hydraulic equipment

Scales, balances & weights

**GNW Instrumentation** 

A division of Gauges North West Ltd

101A Sefton Street

Southport

PR8 5DD

tel: 01704 536 010 fax: 01704 548 028

email: <a href="mailto:sales@gnw.co.uk">sales@gnw.co.uk</a>
<a href="mailto:web">web</a>: <a href="mailto:www.gnw.co.uk">www.gnw.co.uk</a>

Thermometers & pressure gauges

Chart recordersThermocouples

Transducers & transmitters

Flowmeters

TEST CERTIFICATE NUMBER: 78487/091

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

**Serial Number:** 

78487/091

Range

-5 to +60 cm/H20

**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:

 $cm/H^20$ 

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 Adjustmen
-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
		11 to 12 to		
				= 000 = 000

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

Lu Chi

Conditions of certification