



Unit 1 Old Hall Farm Business Park

Crowland Street

Southport PR9 7RJ

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: 74656/21

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/21

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

58%

Controlled Test Reading	Actual Reading	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustment	
	Before Adjustment	Upscale	Downscale	Upscale	Downscale
-05.0	-05.3	+00.3	+00.3	-05.3	
00.0	0.00				-05.3
20.0	19.9	-00.1	-00.1	00.0	0.00
40.0	39.7	-00.3	-00.3	19.9	19.9
60.0	59.6	-00.4	-00.4	39.7	39.7
			-00.4	59.6	59.6
pipment Used:	CAUMCATT				

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 Ch

Conditions of certification





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Chart recorders

Thermocouples Transducers & transmitters

 Flowmeters Pneumatic & hydraulic equipment

Electronic instrumentation

Scales, balances & weights

Test equipment & calibration

TEST CERTIFICATE NUMBER:74656/22

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/22

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	before Adjustment	Upscale	Downscale	Upscale	
-05.0	-05.3	-00.3	-00.3		Downscale
0.00	0.00	60 Mg Mg		-05.3	-05.3
20.0	19.9	-00.1		00.0	00.0
40.0	40.1	+00.1	-00.1	19.9	19.9
60.0	60.0		+00.1	40.1	40.1
				60.0	60.0
ipment Used:					

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Flowmeters

TEST CERTIFICATE NUMBER: 74656/23

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/23

Range

-5 to +60 cm/H²0

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

Accuracy **Barometric Pressure:**

±1.6% 998mbar

Humidity:

@ 20°C ±1%

58%

Controlled Test Reading	Actual Reading	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	Before Adjustment	Upscale	Downscale	Upscale	
-05.0	-04.7	-00.3	-00.3	-04.7	Downscale
0.00	0.00				-04.7
20.0	20.3	+00.3	+00.3	00.0	00.0
40.0	40.5	+00.5	+00.5	20.3	20.3
60.0	60.6	+00.6	+00.6	40.5	40.5
			100.0	60.6	60.6

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TEST CERTIFICATE NUMBER: 74656/24

@ 20°C ±1%

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/24

Range

-5 to +60 cm/H²0

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In: Accuracy

cm/H²0

Barometric Pressure:

±1.6%

998mbar

Controlled Test Reading	Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
		Upscale	Downscale	Upscale	
-05.0	-04.8	-00.2	-00.2		Downscale
00.0	0.00			-04.8	-04.8
20.0	20.0			0.00	00.0
40.0	39.6	-00.4		20.0	20.0
60.0	60.0		-00.4	39.6	39.6
		** **		60.0	60.0
ipment Used:					

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Flowmeters

TEST CERTIFICATE NUMBER: 74656/25

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/25

Range

-5 to +60 cm/H²0

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

Test Equipment Used

14 August 2014

Traceable To:

Rigel 388 BP Sim S/No 25A-0646

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

58%

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BE	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	before Adjustment	Upscale	Downscale	Upscale		
-05.0	-04.7	-00.3	-00.3		Downscale	
0.00	0.00	MM 400 MM		-04.7	-04.7	
20.0	19.9	-00.1		0.00	00.0	
40.0	39.6	-00.4	-00.1	19.9	19.9	
60.0	59.5	-00.5	-00.4	39.6	39.6	
		-00.5	-00.5	59.5	59.5	
ipment Used:						

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Flowmeters

TEST CERTIFICATE NUMBER:74656/26

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/26

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

Test Equipment Used

14 August 2014

Traceable To:

Rigel 388 BP Sim S/No 25A-0646

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

58%

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	before Adjustment	Upscale	Downscale	Upscale	
-05.0	-05.3	-00.3	-00.3	-05.3	Downscale
0.00	0.00				-05.3
20.0	20.6	+00.6	+00.6	0.00	00.0
40.0	40.5	+00.5		20.6	20.6
60.0	60.3	+00.3	+00.5	40.5	40.5
		.00.0	+00.3	60.3	60.3
ipment Used:					

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Flowmeters

TEST CERTIFICATE NUMBER: 74656/27

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/27

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

Test Equipment Used

14 August 2014

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity: 58%

	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
Before Adjustment	Upscale	Downscale	Upscale	Downscale
-04.9	-00.1	-00.1		
0.00				-04.9
19.6	-00.4			00.0
39.5				19.6
59.4			39.5	39.5
	-00.0	-00.6	59.4	59.4
	00.0 19.6	00.0 19.6 39.5 -00.5 59.4 -00.6	00.0 19.6 -00.4 -00.4 -00.5 -00.5 -00.6 -00.6	-04.9

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Authorised Signature & U

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Flowmeters

TEST CERTIFICATE NUMBER: 74656/28

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/28

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

Accuracy Barometric Pressure:

±1.6%

998mbar

@ 20°C ±1%

Controlled Test Reading	Actual Reading	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustme	
	Before Adjustment	Upscale	Downscale		
-05.0	-05.1	-00.1	-00.1	Upscale	Downscale
00.0	0.00			-05.1	-05.1
20.0	20.3	+00.3		0.00	0.00
40.0	40.4	+00.4	+00.3	20.3	20.3
60.0	60.4		+00.4	40.4	40.4
		+00.4	+00.4	60.4	60.4
ipment Used: (

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Authorised Signature Lu Ch

Conditions of certification



Electronic instrumentation

Test equipment & calibration

Pneumatic & hydraulic equipment

Scales, balances & weights



A division of Gauges North West Ltd Unit 1 Old Hall Farm Business Park

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Chart recorders

 Thermocouples Transducers & transmitters

Flowmeters

TEST CERTIFICATE NUMBER: 74656/29

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/29

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

Before Adjustment	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	Joint Adjustinent	Upscale	Downscale	Upscale	
-05.0	-04.8	-00.2	-00.2		Downscale
0.00	0.00			-04.8	-04.8
20.0	19.7	-00.3	000	00.0	0.00
40.0	39.5	-00.5	-00.3	19.7	19.7
60.0	59.5		-00.5	39.5	39.5
		-00.5	-00.5	59.5	59.5
pment Used: (

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 Cl

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Thermometers & pressure gauges

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Thermocouples

Transducers & transmitters

Flowmeters

TEST CERTIFICATE NUMBER: 74656/3

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/3

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity: 58%

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	belole Adjustment	Upscale	Downscale	•	
-05.0	-04.8	-00.2	-00.2	Upscale	Downscale
00.0	00.0			-04.8	-04.8
20.0	19.7	-00.3		0.00	0.00
40.0	39.6	-00.4	-00.3	19.7	19.7
60.0	60.5		-00.4	39.6	39.6
		+00.5	+00.5	60.5	60.5
ipment Used:	GNWSA51				

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A division of Gauges North West Ltd Unit 1 Old Hall Farm Business Park

Electronic instrumentation Test equipment & calibration Scales, balances & weights

Pneumatic & hydraulic equipment

Chart recorders

Thermocouples

Flowmeters

Transducers & transmitters

TEST CERTIFICATE NUMBER: 74656/30

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/30

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

Controlled Test Reading Actual Readin Before Adjustment	Actual Reading Before Adjustment Actual Error BEFORE Adjustment		FORE Adjustment	Actual Reading AFTER Adjustme	
		Upscale	Downscale		
-05.0	-05.0			Upscale	Downscale
00.0	0.00			-05.0	-05.0
20.0	20.0			00.0	0.00
40.0	40.0			20.0	20.0
60.0	60.6	100 /		40.0	40.0
		+00.6	+00.6	60.6	60.6
					00.0
pment Used: (

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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Flowmeters

TEST CERTIFICATE NUMBER:74656/31

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/31

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

58%

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	before Adjustment	Upscale	Downscale	Upscale	
-05.0	-04.8	-00.2	-00.2		Downscale
00.0	0.00			-04.8	-04.8
20.0	20.3	+00.3	.000	00.0	0.00
40.0	40.4	+00.4	+00.3	20.3	20.3
60.0	60.5		+00.4	40.4	40.4
		+00.5	+00.5	60.5	60.5
ipment Used:	CAUAICA FT				

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: 74656/32

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/32

Range

-5 to +60 cm/H20

Customer:

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Address:

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Date Of Calibration:

14 August 2014

Test Equipment Used

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Test Increments In:

cm/H²0

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Accuracy

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Barometric Pressure:

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Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	Deloie Aujusiment	Upscale	Downscale		
-05.0	-05.2	-00.2	-00.2	Upscale	Downscale
00.0	0.00			-05.2	-05.2
20.0	19.9	-00.1		00.0	0.00
40.0	39.6	-00.4	-00.1	19.9	19.9
60.0	59.5		-00.4	39.6	39.6
		-00.5	-00.5	59.5	59.5
					07.0
pment Used: (

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TEST CERTIFICATE NUMBER: 74656/33

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/33

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Traceable To:

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Test Increments In:

cm/H²0

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Accuracy

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Barometric Pressure:

998mbar

Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
	belole Adjustment	Upscale	Downscale		
-05.0	-05.4	-00.4	-00.4	Upscale	Downscale
0.00	0.00			-05.4	-05.4
20.0	20.4	+00.4		00.0	0.00
40.0	39.7	-00.3	+00.4	20.4	20.4
60.0	59.6		-00.3	39.7	39.7
		-00.4	-00.4	59.6	59.6
					57.0
ipment Used: (

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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Flowmeters

TEST CERTIFICATE NUMBER:74656/34

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/34

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

15 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
050	- Store Adjustifierii	Upscale	Downscale	Upscale	
-05.0	-04.9	-00.1	-00.1		Downscale
00.0	0.00			-04.9	-04.9
20.0	20.5	+00.5	100 5	00.0	0.00
40.0	40.6	+00.6	+00.5	20.5	20.5
60.0	60.4	+00.4	+00.6	40.6	40.6
		. 00.4	+00.4	60.4	60.4
pment Used: (

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 Ch

Conditions of certification





Unit 1 Old Hall Farm Business Park

Crowland Street

Southport

PR9 7RJ tel: 01704 536 010 fax: 01704 548 028

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

Chart recorders

 Transducers & transmitters Flowmeters

Thermocouples

Scales, balances & weights Pneumatic & hydraulic equipment

Electronic instrumentation

Test equipment & calibration

TEST CERTIFICATE NUMBER: 74656/35

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/35

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

15 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
		Upscale	Downscale	Upscale	
-05.0	-04.4	-00.6	-00.6		Downscale
00.0	0.00			-04.4	-04.4
20.0	19.9	-00.1	00.1	00.0	0.00
40.0	40.6	+00.6	-00.1	19.9	19.9
60.0	60.5	+00.5	+00.6	40.6	40.6
		.00.5	+00.5	60.5	60.5
ipment Used: (

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 & U

Conditions of certification





Crowland Street

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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: 74656/36

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/36

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

15 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

Cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity: 58%

Controlled Test Reading	Actual Reading	Actual Error BEFORE Adjustment		Actual Peading Aften A	
	Before Adjustment	Upscale	Downscale	Actual Reading AFTER Adjust	
-05.0	-05.0			Upscale	Downscale
0.00	0.00		00 Mg 000	-05.0	-05.0
20.0	19.7	-00.3		00.0	0.00
40.0	39.6		-00.3	19.7	19.7
60.0	59.4	-00.4	-00.4	39.6	39.6
	77.7	-00.6	-00.6	59.4	59.4
1					
ipment Used:	CNIMICA ET				

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Authorised Signature & U

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: 74656/37

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/37

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

15 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

Cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity:

	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustme	
	belole Adjustment	Upscale	Downscale		
-05.0	-04.3	-00.7		Upscale	Downscale
00.0	0.00		00.7	-04.3	-04.3
20.0	20.4	+00.4		0.00	0.00
40.0	40.4		+00.4	20.4	20.4
60.0	60.1	+00.4	+00.4	40.4	40.4
		+00.1	+00.1	60.1	60.1
pment Used: (PAINA/C A FT				

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 Cl

Conditions of certification





Crowland Street

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Thermometers & pressure gauges

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Pneumatic & hydraulic equipment

Chart recorders

Thermocouples

Transducers & transmitters

Flowmeters

TEST CERTIFICATE NUMBER: 74656/38

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/38

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

15 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

Cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustme	
	Joine Adjustment	Upscale	Downscale	Uncorte	
-05.0	-05.2	+00.2		Upscale	Downscale
00.0	0.00		+00.2	-05.2	-05.2
20.0	19.2	-00.8		0.00	0.00
40.0	39.0	-01.0	-00.8	19.2	19.2
60.0	59.4		-01.0	39.0	39.0
		-00.6	-00.6	59.4	59.4
pment Used: (C A L A C A C 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 & U

Conditions of certification





Unit 1 Old Hall Farm Business Park

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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: 74656/39

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/39

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

15 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

Cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity:

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustme	
	Deloie Aujusiment	Upscale	Downscale		AFTER Adjustmen
-05.0	-05.0			Upscale	Downscale
00.0	0.00			-05.0	-05.0
20.0	19.4	-00.6		0.00	0.00
40.0	39.6		-00.6	19.4	19.4
60.0	59.6	-00.4	-00.4	39.6	39.6
		-00.4	-00.4	59.6	
					59.6
pment Used: (

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 Ch

Conditions of certification





Crowland Street

Southport

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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: 74656/4

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/4

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

14 August 2014

Test Equipment Used

Rigel 388 BP Sim S/No 25A-0646

Traceable To:

National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

998mbar

Humidity:

58%

Controlled Test Reading	Actual Reading Before Adjustment	Actual Error BE	FORE Adjustment	Actual Ponding Arren	
	ociole Adjusiment	Upscale	Downscale	Actual Reading AFTER Adjustm	
-05.0	-04.4	-00.6	-00.6	Upscale	Downscale
0.00	0.00			-04.4	-04.4
20.0	19.8	-00.2		00.0	0.00
40.0	39.6	-00.4	-00.2	19.8	19.8
60.0	59.6		-00.4	39.6	39.6
		-00.4	-00.4	59.6	59.6
pment Used: (

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 & U

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: 74656/40

Instrument:

63mm Compound Gauge

Manufacturer:

Gauges North West Ltd

Serial Number:

74656/40

Range

-5 to +60 cm/H20

Customer:

Viamed Ltd

Address:

Keighley

Date Of Calibration:

Test Equipment Used

15 August 2014

Traceable To:

Rigel 388 BP Sim S/No 25A-0646 National Stds in accordance with BSEN ISO 9001:2008 via cert SEA52405R

Test Increments In:

cm/H²0

@ 20°C ±1%

Accuracy

±1.6%

Barometric Pressure:

996mbar

Humidity:

	Actual Reading Before Adjustment	Actual Error BEFORE Adjustment		Actual Reading AFTER Adjustmen	
		Upscale	Downscale	Upscale	
-05.0	-05.3	+00.3	+00.3		Downscale
00.0	0.00			-05.3	-05.3
20.0	20.8	+00.8	1000	00.0	0.00
40.0	40.7	+00.7	+00.8	20.8	20.8
60.0	60.3		+00.7	40.7	40.7
		+00.3	+00.3	60.3	60.3
ipment Used: (

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Authorised Signature Lu Ch

Conditions of certification