

Appendix A: Technical Data

Table 7: ViscoQC 300 torque specifications

Torque range ViscoQC 300 (10 % to 100 %)	
- L	0.00673 mNm to 0.0673 mNm
- R	0.07187 mNm to 0.7187 mNm
- H	0.57496 mNm to 5.7496 mNm
Accuracy (± 1 % of FSR ^a)	
- L	0.673 μ Nm
- R	7.187 μ Nm
- H	57.496 μ Nm
Resolution (± 0.1 % of FSR ^a)	
- L	0.0673 μ Nm
- R	0.7187 μ Nm
- H	5.7496 μ Nm
Repeatability	± 0.2 % of FSR ^a

^a FSR = Full Scale Range = 100 % torque

Table 8: ViscoQC 300 speed specifications

Speed range	0.01 rpm to 250 rpm
Number of speeds	- Speedlist with 18 standard speeds - 1 fixed custom speed C0 (200 rpm) - Freely selectable speeds within the speed range
Resolution	- 0.01 rpm to 9.99 rpm: 0.01 rpm - 10 rpm to 59.9 rpm: 0.1 rpm - higher 60 rpm: 1 rpm

Table 9: Pt100 temperature sensor ^a

Measuring range	Accuracy (non-calibrated)
+15 °C to +30 °C (+59 °F to 86 °F)	± 0.5 °C (± 1.0 °F)
-60 °C to +149 °C (-76 °F to +300 °F)	± 1.0 °C (± 2.0 °F)
+150 °C to +300 °C (+302 °F to +572 °F)	± 2.0 °C (± 4.0 °F)
Resolution	0.1 °C (0.2 °F)

^a Max. measuring temperature ViscoQC: 100 °C

Table 10: Ambient conditions

Ambient temperature	0 °C to 40 °C (32 °F to 104 °F)
Air humidity, relative	≤ 80 % up to 31 °C (88 °F), linearly decreasing down to 50 % at 40 °C (104 °F), non-condensing
Absolute altitude	maximum 4000 m
Pollution degree	2 (EN 61010 ^a)
Environment	laboratory and industry, indoor use only
Environmental standards	EN 61326 EN 61010 ^a
Airborne noise emitted	< 70 dB/A

^a EN 61010:2010 +A1:2019 +A1:2019/AC:2019

Table 11: General specification

Dimensions WxDxH	361 mm x 281 mm x 444 mm (14.2 in x 11.1 in x 17.5 in)
Net weight	6.2 kg (13.7 lbs) ViscoQC + stand
Shipping weight	9.6 kg (21.2 lbs) Box + supplied parts (table 1)
Power supply:	
At Instrument	DC 24 V / 3 A
AC Adapter	90 VAC to 264 VAC; 47 Hz to 63 Hz
Power	70 W max.
ViscoQC housing material	
Housing	PC (Polycarbonate) + ABS (Acrylonitrile Butadiene Styrene)
Stand rod	Stainless steel 1.4301 (SS304)
Stand leg	Zamak 5 Z410 (ZnAl ₄ Cu ₁)
Interface specifications	
3x USB-A, USB-B, CAN, Ethernet, Pt100 sensor	

Data storage: up to 999 measurements with 10,000 steps (sub measurements) or 150 MB

UK Declaration of Conformity



The Manufacturer Anton Paar GmbH, Anton-Paar-Str. 20, A-8054 Graz, Austria – Europe hereby declares that the product listed below

Product designation: ViscoQC 300
Model: ViscoQC 300 -L
ViscoQC 300 -R
ViscoQC 300 -H
Material number: 105023, 105024, 105025

is in conformity with all the relevant UK legislation

Electrical Equipment (Safety) Regulations 2016, 2016 No. 1101

Electromagnetic Compatibility Regulations 2016, 2016 No. 1091

Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, 2012 No. 3032

complies with the designated standards:

- EN 61010-1:2010 + A1:2019 + A1:2016/AC:2019
- EN 61326-1:2013

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Importer: Anton Paar Ltd, Unit F, The Courtyard, Hatfield Rd, St Albans AL4 0LA, United Kingdom;

Place and date of issue: Graz, 2022-11-11

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EU Declaration of Conformity (original)



The Manufacturer Anton Paar GmbH, Anton-Paar-Str. 20, A-8054 Graz, Austria – Europe hereby declares that the product listed below

Product designation: ViscoQC 300
Model: ViscoQC 300 - L
ViscoQC 300 - R
ViscoQC 300 - H
Material number: 105023, 105024, 105025

is in conformity with the relevant European Union harmonisation legislation. This declaration of conformity is issued under the sole responsibility of the manufacturer.

Electromagnetic Compatibility (2014/53/EU, OJ L 96/79 of 29.3.2014)

Applied standards:

- EN 61326-1:2013 Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements

Low Voltage Directive (2014/35/EU, OJ L 96/357 of 29.3.2014)

Applied standards:

- EN 61010-1:2010 +A1:2019 Safety requirements for electrical equipment for measurement, control and laboratory use - Part 1: General requirements

RoHS Directive (2011/65/EU, OJ L 174/88 of 1.7.2011)

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