



SCS Directory

Accreditation number: SCS 0139

International standard: ISO/IEC 17025:2017
Swiss standard: SN EN ISO/IEC 17025:2018

MAGTROL SA
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de couple
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Initial accreditation: 05.01.2015
Current accreditation: 05.01.2020 to 04.01.2025
Scope of accreditation see: www.sas.admin.ch
(Accredited bodies)

Scope of accreditation as of 01.02.2023

Calibration laboratory for torque and rotating torque

Calibration and Measurement Capability (CMC)

Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty \pm ¹⁾	Remarks
TORQUE	0,1 Nm to 1 Nm	By horizontal double lever arm on air bearing and load weights.	0,03 %	N° Inv. MM-284
Torque transducer	1 Nm to 50 Nm		0,02 %	N° Inv. MM-259 et MM-271
	20 Nm to 5'000 Nm		0,01 %	N° Inv. MM-022



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Measured Quantity / Instrument or Gauge	Measurement Range	Measurement Conditions	Best Measurement Uncertainty \pm ¹⁾	Remarks
TORQUE				N° Inv. MM-125
Torque transducer	1'000 Nm to 2'000 Nm	Torque generator with torque transducers.	0,04 % > 0,05 Nm	
	5'000 Nm to 10'000 Nm		0,04 % > 0,3 Nm	
	20'000 Nm to 50'000 Nm		0,09 % > 4 Nm	
Rotating torque				
Dynamometer	1,5 Nm to 10 Nm	Rotating torque generator with reference torque transducers	0,9 % > 0,02 Nm	N° Inv. MM-273
	20 Nm to 100 Nm		0,9 % > 0,2 Nm	
	140 Nm to 200 Nm		1,3 % > 2 Nm	N° Inv. MM-345

In case of contradictions in the language versions of the directories, the French version shall apply.

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1) The given extended measurement uncertainty is the standard uncertainty of the measurement multiplied by an extension factor $k = 2$, which corresponds to a confidence level of about 95% for a normal distribution.