

SIM6300-TH PROFESSIONAL VERSION

OZONE CLIMATE SIMULATOR

The Anseros Ozone Climate Simulator includes all basic instruments for rubber ageing and crack testing. They are designed to carry out the simulations necessary for 10 years durability tests.

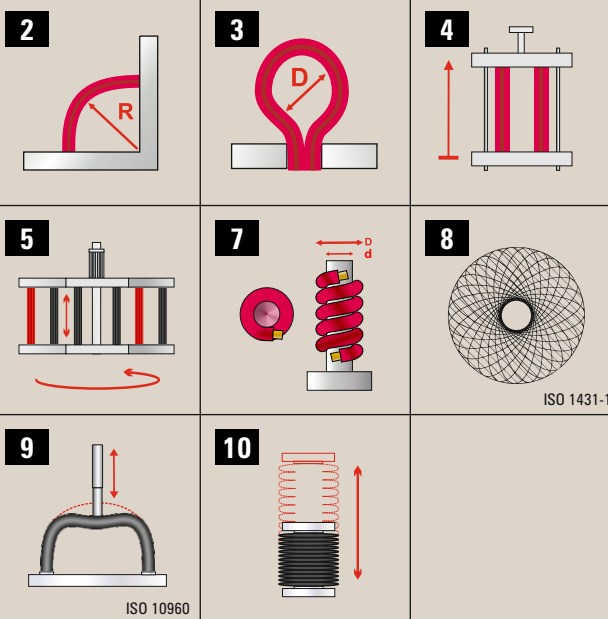
TESTING STANDARDS

ASTM D 1149	ISO 1431-1	DIN ISO 1431-1
DIN 53509 (*)		

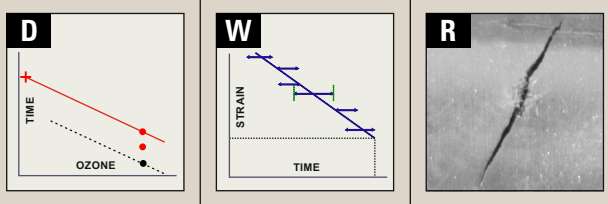
* replaced by DIN ISO 1431-1 in 2011

The instrument provides a reliable ozone generator (maintenance-free) and a precise certified ozone analyzer MP for automatic control of the ozone content inside the chamber. A digital data recording interface RS232 is available together with the Anseros data recording software AMACS. Interruption procedures during durability tests can be adjusted by a PLC controller. In case of closed loop version, a turbo jet is built in for safety reasons to destroy any ozone by catalyst or carbon filter.

TESTING PROCEDURE



EXPRESSION OF RESULTS



SPECIFICATION

OZONE CLIMATE SIMULATOR SIM6300-TH (PROFESSIONAL VERSION)

Flow direction	Ortho-directive
Fan, air velocity	600 mm / s
Chamber volume	310 liters
Size inside	H68 x W68(-3) x D67 cm
Total size, chamber	H181(+43) x W99 x D120(+10) cm
Total size, rack	H181(38HU) x W60 x D60 cm
Total weight	500 kg
Power supply	230/120 VAC, 50/60 Hz
Pressure inside	Negative
Ozone range	0...1000 pphmv (ISO 1431-1)
Accuracy	0.1 %
Temperature range	ISO 1430-1
Humidity range	ISO 1430-1



BASICS

SIM6300	Chamber SS 1.4301, welded
COM-ADM	Ozone generator
MP6060	Ozone monitor
751159	PLC SIMatic S7-1200, 15" touch panel
	USB interface, USB stick
	Ozone controller PID-O ₃
	Humidity controller PID-H
	Temperature controller PID-T
75043	Safety lock, turbo rinsing, catalyst, alarm
72145	Carbon filter
72063	19" rack / 34 HU
75037	Temperature module

SIMtool

75049	Static + dynamic disc	5
75047	Clamp V, static strain, VDE 0472	4
75005	Clamp A, static strain	4
75006	Clamp B, static strain	3
75100	Clamp W, static stain	2
75052	Cable tool	7
75092 + 75047	Static test with carousel motion in accord. ISO 1431-1	8
75109	Dynamic hose test in accord. ISO 10960	9
75049 + 75103	Bumper extension set	10
75089	Mesh tray, SS	

DATA RECORDING

75101	Software AMACS 5.1 / 75049
78667	Recorder T/H/C, digital

FURTHER INFORMATION

+ SIM brochure	
+ SIMtool brochure	
+ Substances, SIM6300-TH	
+ Ozone analyzer MP (leaflet)	
+ Application note APN-1	
+ SIM catalog	
+ Approval MP	
+ Manual SIM6300-TH, SIMatic S7-300	
+ Report D	D
+ Report W	W
+ Report R (prominent visibility by large window)	R