

> CTEC: COMPACT, DYNAMIC, PRECISE

Dynamic conditions are particularly challenging! They require systems capable of generating or handling large accelerations. Reactivity and reliability of actuators developed by CTEC make them unique for high dynamic applications.

However integration and loading conditions being equally important, we invite you to get in touch with our engineers at actuator@cedrat-tec.com to discuss your application.

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TABLE OF STANDARD PROPERTIES OF USE AND MEASUREMENT

The properties defined in the table below, are set up according to the technical conditions of use and measurement. These properties are warranted within their variation range and in compliance with the standard technical conditions of use.



PROPERTIES STANDARD TECHNICAL CONDITIONS OF USE AND MEASUREMENT

Free-free: The actuator is not fixed

Blocked-free: The actuator is fixed to a mechanical support assumed infinitely stiff

Quasistatic excitation: AC voltage between –20 and 150 V at 1 Hz

Harmonic excitation: Voltage of 0.5 Vrms, sinusoidal mode from 0 to 100 kHz

Max. harmonic excitation: Voltage defined by the measurement of max. displacement, sinus at resonance frequency

Displacement measurement:

Admittance measurement:

HP 4194 A or Cypher C60 electrical impedance analyser

Environment:

Ambient temperature (15-25°C) and dry air (Humidity < 50 % rH)

Any technical conditions of use, different from those defined above, can lead to temporary or definitive alterations of properties. Thank you to contact CEDRAT TECHNOLOGIES before using actuators under non standard technical conditions.

FACTORY TESTS CARRIED OUT

☑ Test 1 : Electrical admittance vs. Frequency, free-free

☑ Test 2: Displacement vs. input voltage

OPTIONAL EXTRA FACTORY TESTS

☑ Test 3: Gain and linearity of the sensor

☑ Test 4: Step response in closed loop

☑ Test 5 : Stability in closed loop

> AVAILABLE OPTIONS

☑ [SG] Strain gauges☑ [VAC] Vacuum

Z [SI] Specific interface

☑ [SV] Specific version / customization



2D CONFIGURATION

