

KEY FEATURES

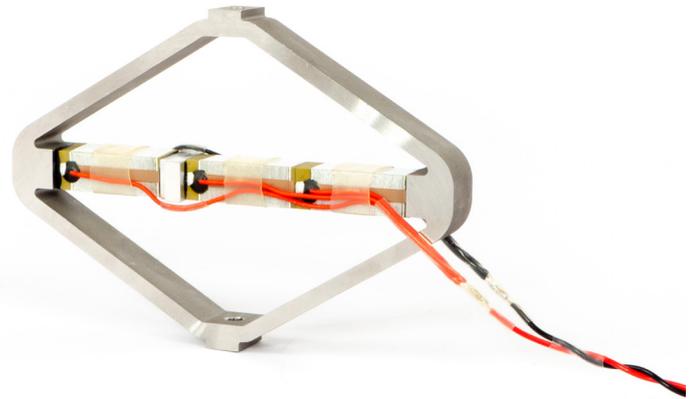
- > Low voltage piezo ceramic
- > Optimal preload for high dynamics
- > Mechanical Amplification
- > Compact Size
- > High Resolution

RELATED PRODUCTS

- > CTEC benchtop controllers
- > CTEC OEM controllers

AVAILABLE OPTIONS

- > SG sensor
- > Vacuum compatibility
- > Ultra High Vacuum



NON CONTRACTUAL PICTURE

PARAMETER	VALUE	UNIT
> Quasistatic performances		
Nominal Stroke	100	µm
Min stroke	90	µm
Resolution ⁽¹⁾	5.6	nm
Blocked force	830	N
Stiffness	8.3	N/µm
> Dynamic performances		
Resonance frequency (free-free) ⁽²⁾	6 500	Hz
Resonance frequency (blocked-free) ⁽³⁾	1 700	Hz
Force limit ⁽⁴⁾	510	N
> Control & driving		
Voltage range	-20 ... 150	V
Capacitance ⁽⁵⁾	6.3	µF
> Dimensions & interfaces		
Height	58	mm
Length	81	mm
Width incl wires	12	mm
Mass	76	g
> Standard mechanical interfaces	See ICD	
> Electrical interface	See ICD	

ANNOTATIONS

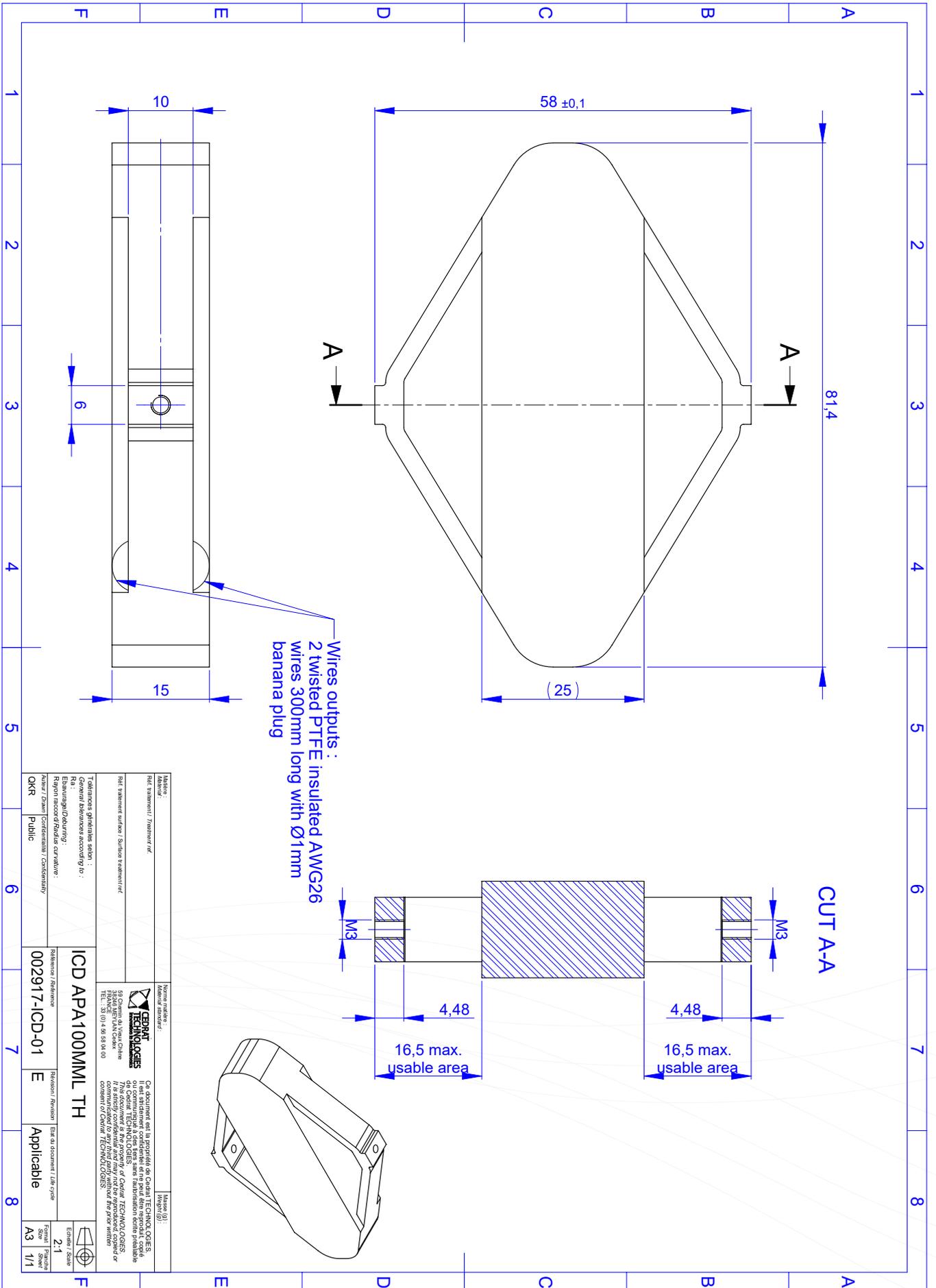
(1) Quasistatic excitation. With standard LA75 range amplifier. SNR=85 dB computed as RMS output signal /RMS output Noise floor at [0;200 Hz]

(2) Free-free: The actuator mounts are free

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

(4) Maximum pulling or pushing external force, valid up to 90% of the blocked-free resonance frequency of the actuator

(5) Capacitance +/- 20%, at 1 V RMS, low frequency, without load



Material: Matériau / Material / <i>Material</i>		Material (01): Matière / Matter / <i>Matter</i>	
Ref. traitement / Treatment ref. Ref. traitement surface / Surface treatment ref.		Cedrat Technologies 59 Chemin du Vieux Chêne FRANCE (0)4 56 58 04 00	
Tolerances géométriques selon : Geom. tolerances according to : Ra : Echantillon / Drawing: Région / Zone / Confidentiality / Confidentiality		ICD APA100MML TH Références / Reference 002917-ICD-01	
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