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# “DIFFERENTIAL PRESSURE” ON MEDICAL PROTECTIVE MASKS

(In compliance with Standard EN14683:19 e ASTM F2100:19)

**TEST METHOD:**  
**DIFFERENTIAL PRESSURE TEST**  
**ON PROTECTIVE MEDICAL MASKS**  
(EN14683: 2019 Annex C – ASTM F2100:2019)

To perform **differential pressure test** on protective surgical masks, S.T.A. Branca Idealair offers the testing instrument **AIR PERMEABILITY 37SC with the additional kit for differential pressure EN14683 and ASTM F2100** able to measure up to five  $\Delta P$  results in several points of the mask and doing at the end of testing process an overall averaged sampling of the full mask surface and determining the **Specific Air flow resistance** to the air passage ( $\Delta P/cm^2$ ).



## TECHNICAL DATA

TEST AREA	4,9 cm <sup>2</sup> test area reduction flanges
CONSTANT AIRFLOW REGULATION	8 L/min
OUTPUT RESULT	5 results expressed in $\Delta P/cm^2 + AV\%$
TEST TIME	<10 seconds



Mask testing kit is exclusively designed in compliance with the Standard EN14683:2019 and ASTM F2100:2019, but it keeps the standard test method for the determination of the air permeability on fabrics in compliance with UNI EN ISO 9237, ASTM D-737, etc.