



UNIVERSIDAD
NACIONAL
DE COLOMBIA

Asignatura: Automatización de Procesos de Manufactura

Estudiantes:

Andres Camilo Torres Cajamarca

Marco Antonio Quimbay Dueñas

Natalia Cely Callejas

Felipe Chaves Delgadillo

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Links de compra de herramientas de medición

Manómetro

https://www.amazon.com/neum%C3%A1ticos-portabrocas-accesorios-resistentes-resoluci%C3%B3n/dp/B07D3PVB4/ref=asc_df_B07D3PVB4?language=es_US&mcid=43cbd054f07c3f769b8a9deeb0bdd96d&tag=cogoshpadde-20&linkCode=df0&hvadid=720393260808&hvpos=&hvnetw=g&hvrnd=11586910001844711696&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9197987&hvtargid=pla-559584899990&th=1

Tester de carga de batería

https://www.amazon.com/Probador-automotriz-probador-alternador-BT300/dp/B0D95HHKYV/ref=asc_df_B0D95HHKYV?language=es_US&mcid=98462e44aea83f3383d50123288b378f&tag=cogoshpadde-20&linkCode=df0&hvadid=720493026845&hvpos=&hvnetw=g&hvrnd=14128638202220519835&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9197987&hvtargid=pla-2367562969581&th=1

Multímetro digital

https://www.amazon.com/-/es/resistencia-continuidad-capacitancia-transistores-temperatura/dp/B071JL6LLL/ref=sr_1_10?adgrpid=100881469806&dib=eyJ2IjojMSJ9.NUGmM99uuoXxJAPEP7aaYex5Ka22vGmIqav5ELgl6kJM1gZ6ndL0nzf7EgYOErfYovXfclA7qyGI05NKYxl5oX

[ExhgGFyzusdZtbjB8HwpmtW2ojttt1kYrw3k0Pamj_GMbMMELPE-Z0GyVcUi9e10EzsH3DS
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3B6fPFwImGd6Oe18H_ymNDuTggbVFmeXBmVH9lkNOTqPre6G64pgHMzefb8jmS6Ts8p
g.JEx2G3WCA59Qng6QSxEXE9cHgVdHlc9H6xAZSAVkJFH8&dib_tag=se&hvadid=602536
235696&hvdev=c&hvlocphy=9197987&hvnetw=g&hvqmt=e&hvrnd=1503073991387624921
7&hvtargid=kwd-2937752071&hydadcr=22591_13539380&keywords=multimetro%2Bdigital
&mcid=dba0d945a86037c48a8344fa6fcb67ad&qid=1752198395&sr=8-10&th=1](https://www.amazon.com/SUERCUP-Llave-dinamom%C3%A9trica-pulgada-mantenimiento/dp/B0C1R9PPGG/ref=asc_df_B0C1R9PPGG?language=es_US&mcid=4ff5191519c43e84aca99552e5737d18&tag=cogoshpadde-20&linkCode=df0&hvadid=721997337734&hvpos=&hvnetw=g&hvrnd=13736369457940973972&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9197987&hvtargid=pla-2197870634774&th=1)

Torquímetro

[https://www.amazon.com/SUERCUP-Llave-dinamom%C3%A9trica-pulgada-mantenimiento/d
p/B0C1R9PPGG/ref=asc_df_B0C1R9PPGG?language=es_US&mcid=4ff5191519c43e84aca99
552e5737d18&tag=cogoshpadde-20&linkCode=df0&hvadid=721997337734&hvpos=&hvnetw
=g&hvrnd=13736369457940973972&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&
hvlocint=&hvlocphy=9197987&hvtargid=pla-2197870634774&th=1](https://www.amazon.com/SUERCUP-Llave-dinamom%C3%A9trica-pulgada-mantenimiento/dp/B0C1R9PPGG/ref=asc_df_B0C1R9PPGG?language=es_US&mcid=4ff5191519c43e84aca99552e5737d18&tag=cogoshpadde-20&linkCode=df0&hvadid=721997337734&hvpos=&hvnetw=g&hvrnd=13736369457940973972&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9197987&hvtargid=pla-2197870634774&th=1)

Micrómetro

[https://www.amazon.com/Micr%C3%B3metro-digital-pulgadas-resoluci%C3%B3n-precisi%C3
%B3n/dp/B07ZQ4WW24/ref=asc_df_B07ZQ4WW24?language=es_US&mcid=71649702ae59
39d8b130e9df16abf9aa&tag=cogoshpadde-20&linkCode=df0&hvadid=722385956351&hvpos
=&hvnetw=g&hvrnd=13945794946652184207&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvd
vcmdl=&hvlocint=&hvlocphy=9197987&hvtargid=pla-1161296924298&psc=1&language=es
US](https://www.amazon.com/Micr%C3%B3metro-digital-pulgadas-resoluci%C3%B3n-precisi%C3%B3n/dp/B07ZQ4WW24/ref=asc_df_B07ZQ4WW24?language=es_US&mcid=71649702ae5939d8b130e9df16abf9aa&tag=cogoshpadde-20&linkCode=df0&hvadid=722385956351&hvpos=&hvnetw=g&hvrnd=13945794946652184207&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9197987&hvtargid=pla-1161296924298&psc=1&language=es_US)

Calibrador Vernier.

[https://www.mercadolibre.com.co/pie-de-metro-digital-profesional-0-150mm-con-estuche/p/M
CO2001026001?pdp_filters=item_id%3AMCO2844291778&from=gshop&matt_tool=2807399
8&matt_word=&matt_source=google&matt_campaign_id=22187115244&matt_ad_group_id=1
71127221541&matt_match_type=&matt_network=g&matt_device=c&matt_creative=7313016
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1&matt_product_id=MCO2001026001-product&matt_product_partition_id=2396209530368&
matt_target_id=aud-1918885411122:pla-2396209530368&cq_src=google_ads&cq_cmp=22187
115244&cq_net=g&cq_plt=gp&cq_med=pla&gad_source=4&gad_campaignid=22187115244](https://www.mercadolibre.com.co/pie-de-metro-digital-profesional-0-150mm-con-estuche/p/MCO2001026001?pdp_filters=item_id%3AMCO2844291778&from=gshop&matt_tool=28073998&matt_word=&matt_source=google&matt_campaign_id=22187115244&matt_ad_group_id=171127221541&matt_match_type=&matt_network=g&matt_device=c&matt_creative=731301609497&matt_keyword=&matt_ad_position=&matt_ad_type=pla&matt_merchant_id=735127761&matt_product_id=MCO2001026001-product&matt_product_partition_id=2396209530368&matt_target_id=aud-1918885411122:pla-2396209530368&cq_src=google_ads&cq_cmp=22187115244&cq_net=g&cq_plt=gp&cq_med=pla&gad_source=4&gad_campaignid=22187115244)

[&gbraid=0AAAAAD1Dcow3mLBbbNo-qGKY7Zj2XzJzp&gclid=CjwKCAjwyb3DBhBlEiwAqZLe5DGV67ZzRALDOzoFRuyLE6D4bP16TSBTVnR7NaOLz2QpMefre9y06RoCCzQQA](#)
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