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1 – Cordless Drill (DeWalt)

Kit Contains
1 – Cordless Drill
2 – 20volt Rechargeable Batteries
1 – Charger
1 – Safety Glasses

Notes
- Use safety glasses, this tool can be dangerous
- Make sure that your hair is tied back when using
- Please charge batteries before returning
- If you need help with this tool please come by MakerWorkshop
Kit Contains
1 – Cordless Drill
1 – Impact Driver
2 – 20volt Rechargeable Batteries
1 – Charger
1 – Safety Glasses

Notes
- Use safety glasses, this tool can be dangerous
- Make sure that your hair is tied back when using
- Please charge batteries before returning
- If you need help with this tool please come by MakerWorkshop
3 – Soldering Station

Kit Contains
1 – Soldering station with Sponge
1 – Package of solder
1 – Solder fan
1 – Helping hands wire holder
1 – Safety Glasses

Notes
- Do not use if you have not been trained on this tool, it can be hazardous
- Use safety glasses, this tool can be dangerous
- Soldering fumes are hazardous, use in a well ventilated area and use the solder smoke absorber
- If you need help with this tool or more electrical tools and components please come by MakerWorkshop
4 – Electrical Measurement Kit

Kit Contains
1 – Digital Millimeter
1 – AC/DC current clamp meter
4 – Wire probes
1 – Multi function socket
1 – Digital Millimeter manual
1 – AC/DC current clamp meter manual

Notes
- If you need assistance or more electrical tools come by MIT MakerWorkshop
5 – Electrical Tool Kit

Kit Contains
3 – Pliers
1 – Wire stripper/Crimper tool
6 – Precession Screwdrivers
6 – Tweezers

Notes
- If you need assistance or more electrical tools come by MIT MakerWorkshop
6 – DC Power Supply

Kit Contains
1 – Power Supply (Max 30 volts/5 amps)
1 – Power Cord
2 – Alligator Clip Probes
1 – Manual

Notes
- If you need help or different electrical components MakerWorkshop and we will help
Kit Contains
1 – Soldering/Hot air station
1 – Package of solder
1 – Solder fan
1 – Helping hands wire holder
3 – Hot air gun focusing tips
1 – Safety Glasses
1 – Soldering Iron Stand with Sponge
1 – Manual

Notes
- Do not use if you have not been trained on this tool, it can be hazardous
- Use safety glasses, this tool can be dangerous
- Soldering fumes are hazardous, use in a well ventilated area and use the solder smoke absorber
- If you need help with this tool or more electrical tools and components please come by MakerWorkshop
8a – Picoscope Digital Oscilloscope (basic)

Kit Contains
1 – Picoscope Digital Oscilloscope (10mHz)
2 – BSC Probes
1 – Mini Screwdriver
1 – Probe Manual
1 – Oscilloscope Manual
1 – Quick start Manual
1 – Pico CD

Notes
- If you need other help come by MakerWorkshop
- For more information on Picoscope & Manual
Kit Contains
1 – Picoscope Digital Oscilloscope (50mHz)
2 – BSC Probes
1 – Mini Screwdriver
1 – USB Cable
1 – Probe Manual
1 – Oscilloscope Manual
1 – Quick start Manual
1 – Pico CD

Notes
- If you need other help come by MakerWorkshop
- For more information on Picoscope & Manual
  www.picotech.com/oscilloscope/3000/usb3-oscilloscope-logic-analyzer
- This kit is expensive as a result there will be a 500$ charge if you break it or fail to return it
9 – Hand Tool Set

Kit Contains
1 – 1/4 inch ratcheting driver
1 – Hand driver
30 – Driver bits
16 – Standard ¼ inch drive sockets (5/32-3/8)
1 – Hammer
1 – Measuring tape
1 – Razor Blade
1 – Bubble level
16 – Allen Keys
2 – Pliers
2 – Screw Drivers

Notes
- If you need help or a different tool come by MakerWorkshop and we will help
10 – Socket Set

Kit Contains
1 – 1/4 inch ratcheting driver
1 – 3/8 inch ratcheting driver
2 – Driver Extenders
16 – Standard ¼ inch drive sockets (3/16-1/2)
15 – Metric ¼ inch drive sockets (6mm - 13mm)
17 – Standard ¼ inch drive sockets (3/8 - 13/16)
17 – Metric 3/8 inch drive sockets (10mm -19mm)

Notes
- If you need help or a different size socket MakerWorkshop and we will help
Kit Contains
1 – LabQuest Mini
1 – USB Connector
1 – Power Supply
1 - Manual

Notes
- If you need other parts come by MakerWorkshop we have a variety of small electronic components
- For more information on LabQuest Mini www.vernier.com/products/interfaces/lq-mini/
- Free Logger Lite software available at www.vernier.com/software
Kit Contains
1 – LabQuest 3 Axes Mini
1 – Manual

Notes
- If you need other parts come by MakerWorkshop we have a variety of small electronic components
- For more information on LabQuest 3 Axes Accelerometer http://www.vernier.com/products/sensors/accelerometers/3d-bta/
- This sensor works with the LabQuest Mini (Kit 11)
11b - LabQuest Heart Rate Sensor

Kit Contains
1 – LabQuest Heart Rate Sensor (Bluetooth)
1 – Band
1 – Connector
1 – Manual

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest 3 Axes Accelerometer
  www.vernier.com/products/sensors/heart-rate-sensors/ehr-bta/
- This sensor works with the LabQuest Mini (Kit 11)
- Manual Available at
Kit Contains
1 – LabQuest Voltage Probe (30 Volt max)
1 – LabQuest Current Sensor (40 Volt & 10 amp max)
1 – Spare Fuse
2 – Voltage Probes
2 – Manuals (Voltage & Current)

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest Sensors www.vernier.com/products/sensors/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at
  http://www.vernier.com/files/manuals/
Kit Contains
1 – LabQuest Force Sensor
1 – Bumper
1 – Hook
1 – Handel
1 – Quick Start Manuals

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest Sensors www.vernier.com/products/sensors/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at http://www.vernier.com/files/manuals/
Kit Contains
1 – LabQuest Temperature Probe
1 – Quickstart Manual

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information on LabQuest Sensors www.vernier.com/products/sensors/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at
  http://www.vernier.com/files/manuals/
11f – Watts Up Power Meter

Kit Contains
1 – Watts Up Pro Power Meter
1 – USB Cable

Notes
- If you need assistance come by MIT MakerWorkshop
- For more information - www.vernier.com/products/sensors/wu-pro/
- This sensor works with the LabQuest Mini (Kit 11)
- Manuals Available at - http://www.vernier.com/files/manuals/
- Specifications:
  
  Voltage: 120 V
  Duty Cycle: 60 Hz
  Maximum current: 15 amperes
  Maximum sampling speed: 1 sample per second
  Accuracy: ±1.5%, + 3 counts of the displayed value
  Below 60 watts, current and power factor decrease in accuracy
  Minimum measurable power: 0.5 watts
Kit Contains
1 – Bread Board
1 – NI DAQ
1 – Software CD
1 – Box of Jumper Cables
1 – USB Connector
1 – Red Probe
1 – Black Probe
1 – Bag of Miscellaneous Resistors
1 – Start Up Guide

Notes
- If you need parts come by MakerWorkshop we have a variety of small electronic components
- For more information on how to use go to www.ni.com/mydaq/
- Labview Licenses available at https://ist.mit.edu/labview/license
Kit Contains
1 – DSLR Camera Canon EOS Rebel T5
1 – Lens 18-55mm (should be kept attached to camera)
1 – Rechargeable Battery (should be kept inside camera)
1 – Battery Charger
1 – 32gb SD Card (inside camera, remember to wipe after use)
1 – Solutions Software CD
1 – Mini USB Cable
2 – Protective caps (if you want to change the lenses to your own lens)

Notes
- Please return the camera in its default settings with the memory card cleared and the battery charged
- This camera is expensive as a result there will be a 500$ charge if you break it or fail to return it
- If you need help with this camera please come by MakerWorkshop
- If you are unsure of how to do something with the camera please come by MakerWorkshop and we will help
14 - Drill Bits & Drivers

Kit Contains
3 – Drill Stops
1 – Allen Key
9 – Socket Drivers (5/32,3/16,7/32,1/4,9/32)
61 – Assorted Drivers (Phillips, Flat Head, Allen)
6 – Masonry Drill Bits
5 – Brad Point Drill Bits
3 – Spade Drill Bits
11 – All Purpose Drill Bits
1 – Driver Extender

Notes
- If you need another size come by MIT MakerWorkshop
- If you break a bit come by MIT MakerWorkshop (it happens don’t panic)
- With so many small bits things go missing, if the set gets too incomplete come by MakerWorkshop for spare parts
15 – Tap and Die Set

Kit Contains
2 – Thread Testers
1 – Small Tap Handle
1 – Large Tap Handle
1 – Die Handle
14 -Standard Tap + Die
(4-40,6-32,8-32,10-32,12-24,1/4-20,1/4-28,5/16-18, 5/16-24,3/8-18,3/8-24,
7/16-14,7/16-20,1/2-13,1/2-20)
12 – Metric Tap + Die
(M3-0.5,M4-0.7,M5-0.8,M6-1.0,M7-1.0,M8-1.25,M9-1.25,M10-1.0,M10-1.5,M12-1.75)
1 – BSP 1/8-28 Tap + Die
1 – Screw Driver

Notes
- If you break a tap come by MakerWorkshop for a replacement
- If you need another size MakerWorkshop might have it
16 – Dial Calipers

Kit Contains
1 – Dial Caliper

Notes
- If you need help with measurement MakerWorkshop has a variety measurement equipment
17 – Micrometer Set (0-4 inches)

Kit Contains
1 – 3-4” Micrometer
1 – 2-3” Micrometer
1 – 1-2” Micrometer
1 – 0-1” Micrometer
1 – 1” calibration block
1 – 2” calibration block
1 – 3” calibration block
2 – Spanner Wrench
1 – Guide

Notes
- If you need help with measurement MakerWorkshop has a variety measurement equipment
18 - Clamps

Kit Contains
2 – 12” Quick Grip Clamps
2 – Spring Loaded Clamps
2 – Ratcheting Clamps

Notes
- If you need assistance or another type of clamp come by MIT MakerWorkshop