

CABLE

USB

LED

MONITOR

Optimate ***accessories***



optimate1.com



EN- Mar 2015



x1 WEATHERPROOF BATTERY LEAD

Premium quick connect permanent battery lead with weather protected connection system and cable.

01



01-BOX (of 100)

01-JAR



21



DC
socket

SAE

		connector 1				
01	20" 50cm	SAE	1/4" M6	18AWG 0.82mm ²	15A	-40°F -40°C
01 JAR		20 x 01				
21	20" 50cm	DC socket 5.5x2.5mm	1/4" M6	16AWG 1.31mm ²	15A	-40°F -40°C





x2 AUTO PLUG (Ø 21mm)

Auto plugs also fit OEM sockets on Harley-Davidson, KTM and Yamaha Super Tenere.

02








WITH **RED ADAPTER ON** - Harley-Davidson, KTM, Yamaha Super Tenere and all AUTO size sockets.
WITH **RED ADAPTER OFF** - BMW, Victory, Triumph, selected Honda Goldwing and John Deere ATVs.

12

Fits Harley-Davidson, KTM, Yamaha Super Tenere and all AUTO size sockets.



		connector 1	connector 2			
02	20" 50cm	SAE	AUTO Ø 21mm BIKE Ø 12mm	18AWG 0.82mm ²	8A	-4°F -20°C
12	20" 50cm	SAE	AUTO Ø21mm	18AWG 0.82mm ²	10A	-4°F -20°C



x3 CHARGE CABLE EXTENDER





Premium extenders with weather protected in-line connection system.

03 / 13 / 23

TIP: 0-23 is rated at 10 Amps and for 'below freezing' temperature use.



33 Ideal for on-vehicle use in normal and 'below freezing' temperatures.

		connector 1	connector 2		Amps max.	
03	6ft 180cm	SAE	SAE	18AWG 0.82mm ²	5A	-4°F -20°C
13	15ft 460cm	SAE	SAE	18AWG 0.82mm ²	5A	-4°F -20°C
23	15ft 460cm	SAE	SAE	16AWG 1.31mm ²	10A	-40°F -40°C
33	40" 100cm	SAE	SAE	18AWG 0.82mm ²	5A	-40°F -40°C



x4 BATTERY CLIPS

Custom designed to fit square, flat and round posts.

04



SQUARE



FLAT



14



ROUND



		connector 1	connector 2			
04	20" 50cm	SAE	OPTIMATE CLIPS	16AWG 1.31mm ²	-	-40°F -40°C
14	20" 50cm	SAE	OPTIMATE CLIPS	16AWG 1.31mm ²	15A	-40°F -40°C

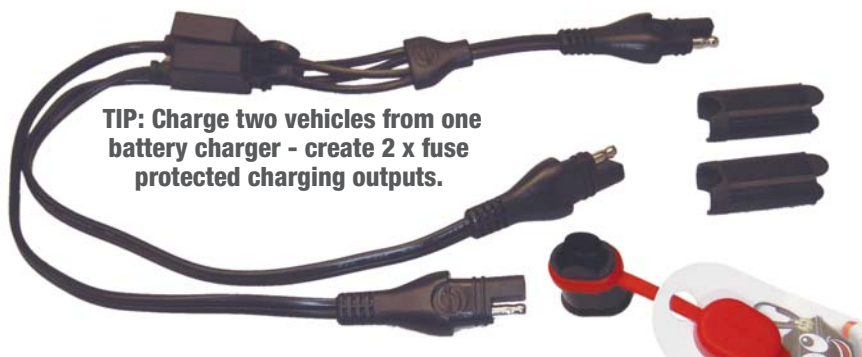




x5 Y-SPLITTER (SAE & DC 2.5mm)






DC 2.5mm : Axial connector Ø 5.5mm outer diameter, Ø 2.5mm pin, typically used in heated clothing / apparel.

05



15



		connector in	connector Y (out)			
05	20" 50cm	SAE	2 x SAE	18AWG 0.82mm ²	2 x 15A	-40°F -40°C
15	12" 30cm	SAE	2 x SAE	18AWG 0.82mm ²	-	-4°F -20°C
35	12" 30cm	SAE	2 x DC socket 5.5x2.5mm	16AWG 1.31mm ²	-	-40°F -40°C
45	12" 30cm	DC plug 5.5x2.5mm	2 x DC socket 5.5x2.5mm	18AWG 0.82mm ²	-	-40°F -40°C



x5 Y-SPLITTER (SAE & DC 2.5mm)

DC 2.5mm : Axial connector Ø 5.5mm outer diameter, Ø 2.5mm pin, typically used in heated clothing / apparel.

35



Convert your SAE battery lead to
2 x heated apparel outlets.

45



Split your heated apparel
outlet into
2 more heated apparel
outlets.



x6 AUTO SOCKET (Ø 21mm)

Socket barrel has internal locking slots to firmly hold a GPS or USB charger (with side leaf springs) in place.





06



16



Straight BIKE plug with protective cap, fits BMW, Victory, Triumph, selected Honda Goldwing and John Deere ATVs.

		connector 1	connector 2		
06	20" 50cm	SAE	AUTO SOCKET Ø 21mm	16AWG 1.31mm ²	-40°F -40°C
16	12" 30cm	BIKE (DIN) Ø 12mm	AUTO SOCKET Ø 21mm	18AWG 0.82mm ²	-4°F -20°C
26	12" 30cm	SAE	2 x AUTO SOCKET Ø 21mm	16AWG 1.31mm ²	-40°F -40°C
36	18" 45cm	BIKE (DIN) Ø 12mm	2 x AUTO SOCKET Ø 21mm	16AWG 1.31mm ²	-40°F -40°C



x6 AUTO SOCKET (Ø 21mm)

Socket barrel has internal locking slots to firmly hold a GPS or USB charger (with side leaf springs) in place.

26



36



Low profile BIKE
90° plug, fits
BMW, Victory,
Triumph, selected
Honda Goldwing
and
John Deere ATVs.



x7 ADAPTERS, SAE to OTHER

Adapt your motorcycle, car or battery charger to fit the OptiMate SAE connectors.

07 Battery lead adapter for TM-71 (old TecMate battery lead) or british charger battery leads.

KET/TM plug

SAE



17 Charger lead adapter for older TecMate or british battery chargers.

SAE



KET/TM socket

27 SAE polarity adapter



		connector 1	connector 2			
07	6" 15cm	KET/TM plug	SAE	18AWG 0.82mm ²	-	-40°F -40°C
17	6" 15cm	SAE	KET/TM socket	18AWG 0.82mm ²	-	-4°F -20°C
27	6" 15cm	SAE	SAE	16AWG 1.31mm ²	-	-40°F -40°C
37	40" 100cm	OBD II (automotive)	SAE	16AWG 1.31mm ²	15A	-40°F -40°C
47	12" 30cm	DUCATI < 2010	SAE	18AWG 0.82mm ²	15A	-40°F -40°C
57	12" 30cm	MV AGUSTA	SAE	18AWG 0.82mm ²	15A	-40°F -40°C



x7 ADAPTERS, SAE to OTHER

Adapt your motorcycle, car or battery charger to fit the OptiMate SAE connectors.

37

OBD II to SAE adapter

Socket fits OBDII connector found in most cars. The matching 'in car' OBDII connector is typically located behind a removable panel in close proximity to the steering wheel. The battery connection is 'live' making it ideal to monitor the battery or provide very low current (< 1A) battery maintenance.

TIP: Monitor battery charge level with 0-123 or 0-125 LED battery monitor.



47

Ducati (>2010) to SAE adapter

Fits under seat battery charger connector in motorcycle wiring loom.



57

MV Agusta to SAE adapter

Fits >2010 models' under seat battery charger connector in motorcycle wiring loom.





x7 ADAPTERS, SAE to OTHER

Adapt your heated apparel, motorcycle, car or battery charger to fit the OptiMate SAE connectors.

67

Adapter kit,
SAE to DC 2.5mm plug
and socket as used in
heated apparel.

Polarity adapter included.



connector
1

connector
2



**67
kit**

INCLUDES ALL PARTS BELOW

27	6" 15cm	SAE	SAE	16AWG 1.31mm ²	-40°F -40°C
67M	6" 15cm	SAE	DC plug 5.5x2.5mm	16AWG 1.31mm ²	-40°F -40°C
67F	6" 15cm	SAE	DC socket 5.5x2.5mm	16AWG 1.31mm ²	-40°F -40°C





x8 BIKE SOCKET (DIN Ø12mm)

Matches sockets found on BMW, Triumph, Victory and some Honda Goldwing motorcycles as well as John Deere ATVs.

08 STANDARD SOCKET WITH RUBBER PLUG







NEW! BATTERY LEAD included



18 3807-0170 METAL SOCKET WITH SPRING-LOADED CAP

NEW! BATTERY LEAD included



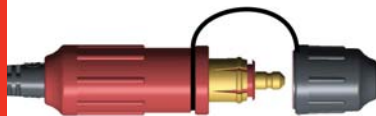
		connector 1				
08	40" 100cm	BIKE (DIN) PLASTIC	1/4" M6	18AWG 0.82mm ²	15A	-40°F -40°C
18	40" 100cm	BIKE (DIN) METAL	1/4" M6	18AWG 0.82mm ²	15A	-40°F -40°C



x9 BIKE PLUG (DIN Ø12mm)

Fits sockets found on BMW, Triumph, Victory and some Honda Goldwing motorcycles as well as John Deere ATVs.

09 Charge extender with BIKE plug







BIKE PLUG straight



**BIKE PLUG
90°
low profile**



**BIKE PLUG 180°
replaces 'straight'
in 2015**

		connector 1	connector 2		
09	4ft 120cm	SAE	BIKE (DIN) PLUG, straight	18AWG 0.82mm ²	-40°F -40°C
19	6" 15cm	SAE	BIKE (DIN) PLUG, 90°	18AWG 0.82mm ²	-40°F -40°C
29	40" 100cm	SAE	BIKE (DIN) PLUG, 90°	18AWG 0.82mm ²	-40°F -40°C
39	24" 60cm	DC socket 5.5x2.5mm	BIKE (DIN) PLUG, 90°	18AWG 0.82mm ²	-40°F -40°C

**x9 BIKE PLUG (DIN Ø12mm)**

Fits sockets found on BMW, Triumph, Victory and some Honda Goldwing motorcycles as well as John Deere ATVs.

19

Replaces BIKE PLUG
straight 0-19 version.



Low profile
weatherproof
BIKE 90° plug

29**SAE****39****DC 2.5mm**

Extender with low profile
weatherproof BIKE 90° plug,
ideal for BMW motorcycles with
side mounted 12V outlet.





x0 CUSTOM CABLES & ACCESSORIES

OptiMate Cable replacement Accessories

Custom designed hard and soft panel connectors

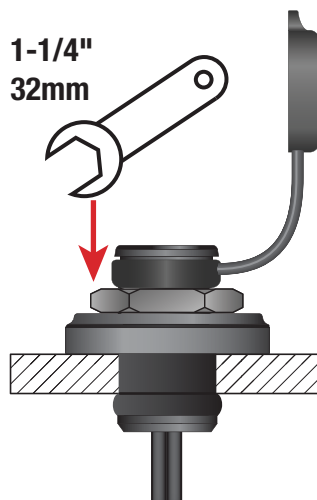
20 Weatherproof SAE socket, panel mount 1" / 25mm

Multiple mounting possibilities with included hardware.

Mounting from front: Panel thickness 3/16" - 3/8" / 5mm - 10mm. Ideal for hard to reach 'behind panel' mounting positions.

For thinner panels less than 3 / 16" / 5mm or hole larger than Ø 1" / 25mm, mount from rear without spacer ring.





Easy to mount : Use 1/2" / 12mm wrench to hold socket body whilst nut is hand tightened or lightly tightened with a 1 1/4" / 32mm wrench.



Drill 25mm / 1" hole.

Mount socket from front.

Rubber expands in hole when M25 nut is tightened.

		connector 1	connector 2		
20	6" 15cm	SAE panel mount	SAE	16AWG 1.31mm ²	-40°F -40°C
30	12" 30cm	SAE	DC socket 5.5x2.5mm	18AWG 0.82mm ²	-40°F -40°C



**x0 CUSTOM CABLES & ACCESSORIES**

OptiMate Cable replacement Accessories

Custom designed hard and soft panel connectors

30 Tank bag & hard case power entry

Ideal for tankbags delivered with 'cross-hair' power entry e.g. as on Wunderlich Elephant, Hepco & Becker, SW Motech, Touratech.



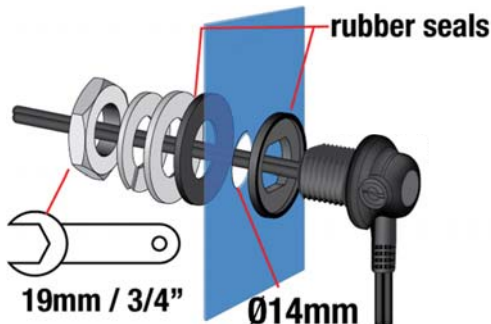
Wunderlich
Elephant



Round
'cross-hair'
power entry



Inside bag





10x USB CHARGERS & CABLES

CHARGERS - Low input auto-off function protects vehicle battery from total discharge. Communicates with Apple devices for max. charge current availability. Protected against short circuit, overload and high voltage supply.

100



Ideal for smartphone recharging,
including iPhone 6



USB-A mini & micro, USB-USB extender
included with 100, 102

		connector	Feature		Adapter
100	1A	SAE	battery auto protect off < 12.4V	3 1/4" 8cm	extender mini micro
101	1A	KET	battery auto protect off < 12.4V	6" 15cm	extender mini micro
102	1A	SAE	battery auto protect off < 12.4V built in cables / sealed	80" 200cm	mini micro
103	2A	DC plug 2.5x5.5mm	battery auto protect off < 9V sealed	10" 25cm	USB sealing cap
104	2A	BIKE (DIN) PLUG	battery auto protect off < 12.4V sealed	10" 25cm	USB sealing cap
106	2A 2 xUSB	AUTO PLUG Ø21mm	2 x USB out battery auto protect off < 9V	2" 5cm	sealing cap
107	2A	SAE	battery auto protect off < 9V sealed	10" 25cm	SAE & USB seals





10x USB CHARGERS & CABLES

CHARGERS - Low input auto-off function protects vehicle battery from total discharge. Communicates with Apple devices for max. charge current availability. Protected against short circuit, overload and high voltage supply.

102



Weatherproof, ideal for on bike use - GPS & Camera

103



Use with
0-30 tank bag
power entry.
Can also be
powered from
heated apparel
11.1V battery.

104



Fits BMW,
Victory,
Triumph &
John Deere
sockets.

107



Weatherproof
SAE connector

106



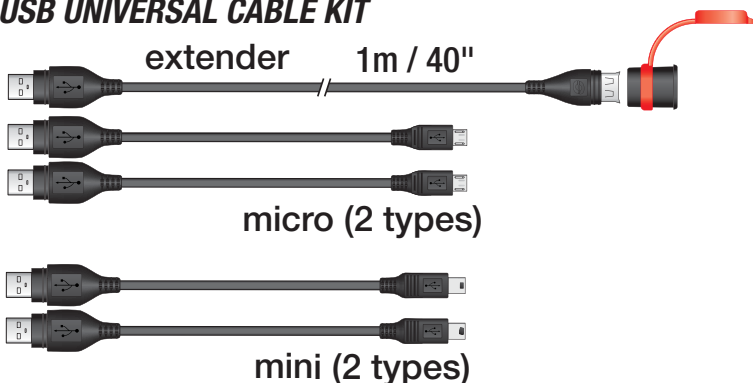
Fits Harley-Davidson, KTM,
Yamaha Super Tenere sockets.



10x USB CABLES

CABLES - Built in circuitry confirm max. charge to devices such as Garmin, HTC, Nokia, Samsung & Microsoft. Custom connector design seals on entry to charger or to USB cable.

109 USB UNIVERSAL CABLE KIT



2 types mini & micro adapters : different resistor circuitry enables charging to various Garmin, HTC, Nokia, Samsung & Microsoft devices

110 USB SPLITTER Split 2A into 2 x 1A outputs.

Built in circuitry limits to 1A per output, guaranteeing each connected device receives suitable charge.





12x LED LIGHTS

120 12V 6-LED diagnostic flashlight, SAE

Need emergency light whilst out for a ride or you are not sure if your vehicle charging system is working right? Use the 6-LED flashlight, a reliable, powerful light source that connects directly to your battery lead and will also confirm if the vehicle charging system is delivering sufficient charge when engine is running or if vehicle battery state of charge is low.

CHARGE OK ≥ 14 V



LO BATT < 12.3 V



SAE connector

130 Rechargeable flashlight - fits AUTO socket

Fits Harley-Davidson, KTM, Yamaha Super Tenere sockets.





12x LED BATTERY MONITORS

Storing your vehicle for an extended period and no access to AC supply?

Monitor the battery status, be warned when to recharge before the battery dies!

All LED monitors have a built in SAE charge port.

122 Low battery warning flasher, sealed AGM/GEL 12V batteries

123 Low battery warning flasher, all 12V batteries

01 included as from
MAR '15



122

SAE charge port



123

		battery	features		
122	3" 8cm	12V AGM lead-acid	flashes when battery voltage < 12.5V	incl. 0-1 battery cable	On 0-1 cable
123	3" 8cm	ALL 12V lead-acid	flashes when battery voltage < 12.35V	incl. 0-1 battery cable	On 0-1 cable
124	24" 60cm	ALL 12V lead-acid	4-LED battery charge voltage status. 2 level vehicle charge system status.	16AWG 1.31mm ²	15A
125	6" 15cm	ALL 12V lead-acid	4-LED battery charge voltage status. 2 level vehicle charge system status.	16AWG 1.31mm ²	-
127	24" 60cm	12.8 / 13.2V lithium 4s	3-LED battery charge voltage status. Vehicle charge system status with overcharge warning	16AWG 1.31mm ²	15A



12x LED BATTERY MONITORS

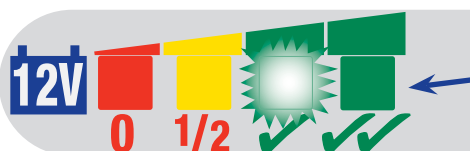
Storing your vehicle for an extended period and no access to AC supply?

Monitor the battery status, be warned when to recharge before the battery dies!

All LED monitors have a built in SAE charge port.

The 0-124, 125 and 127 smart monitors confirm battery charge status; the corresponding LED flashes every 5 seconds. With vehicle engine running it confirms if vehicle charging system is delivering sufficient charge battery.

**124
& 125**
- LED panel



Confirms higher charge status of sealed AGM (MF)

124 12V lead-acid battery lead



SAE charge port



125 12V lead-acid test lead



127 12.8V lithium battery lead

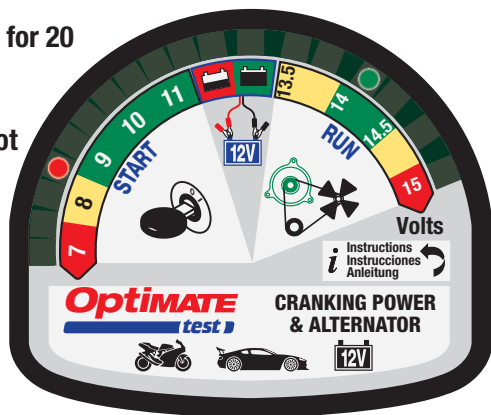


Optimate TEST

TS-121 Cranking power & alternator tester

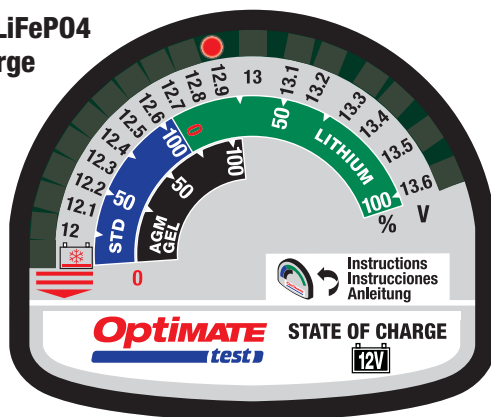
Analyze battery and charging system in 3 steps!

- 1) Check battery charge level.
- 2) Record lowest start volts (displayed for 20 seconds).
- 3) Verify vehicle system charging voltage is in range for lead-acid and not overcharging LiFePO4 batteries.



TS-127 State of charge battery tester

Battery tester for all Lead-acid and LiFePO4 / LFP Lithium batteries. State of charge result in VOLTS & %. Easy to use! Connect clips to the battery and read the result.



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