

CABLE

USB

LED

MONITOR

TESTER

Optimate **accessories**

USB

SAE

RING

AUTO

**WEATHERPROOF
CONNECTION SYSTEM**

CLIP

DC

BIKE
(DIN)



optimize1.com



EN-EU
November
2015



x1 WEATHERPROOF BATTERY LEAD

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

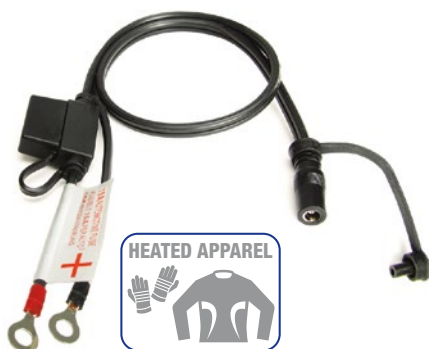
01  5 425006 142113

11  5 425006 143318



01 delivered with red & black cap

21  5 425006 142458



HEATED APPAREL








01 JAR  5 425006 142267
20 x 01



DC socket
2.5mm pin

SAE

		connector 1		Amps DC		
01	20" / 50cm	SAE	1/4" / M6	5	15A	-40°F/-40°C
11	20" / 50cm	SAE	5/16" / M8	10	15A	-40°F/-40°C
21	20" / 50cm	DC socket	1/4" / M6	10	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



12



22



Q3

connector
1connector
2

Amps DC

Fuse


02

20" / 50cm

SAE

AUTO / BIKE

5

8A

-4°F / -20°C

12

20" / 50cm

SAE

AUTO

5

10A

-4°F / -20°C

22

6" / 15cm

RCA

AUTO

5

10A

-40°F / -40°C





x3 CHARGE CABLE EXTENDER (SAE to SAE)

Premium extenders with weather protected in-line connection system.

03  5 425006 142151





13  5 425006 142076

23  5 425006 142083



33  5 425006 142625

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

		 Amps DC	
03	6ft / 180cm	5	-4°F / -20°C
13	15ft / 460cm	5	-4°F / -20°C
23	15ft / 460cm	10	-40°F / -40°C
33	40" / 100cm	5	-40°F / -40°C



x4 BATTERY CLIPS (SAE to OptiMate Clips)

Custom designed to fit square, flat and round posts.

04



SQUARE



FLAT



14 + with fuse



ROUND



Amps DC



Fuse



04

20" / 50cm

10

-

-40°F / -40°C

14

20" / 50cm

10

15A

-40°F / -40°C





x5 Y-SPLITTER (SAE & DC 2.5mm)

Heavy duty SAE connector, fits all industry standard SAE connectors.

05



5 425006 143301



15



5 425006 143325



connector
in

connector
Y (out)


Amps DC


Fuse



05

20" / 50cm

SAE

2 x SAE

5

2 x 15A

-40°F / -40°C

15

12" / 30cm

SAE

2 x SAE

5

-

-4°F / -20°C

35

12" / 30cm

SAE

2 x DC socket

10

-

-40°F / -40°C

45

12" / 30cm

DC plug

2 x DC socket

10

-

-40°F / -40°C



x5 Y-SPLITTER (SAE & DC 2.5mm)

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

35**45**



x6 AUTO SOCKET (Ø 21mm) with SAE connector

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

06



26



connector



Amps DC



06

20" / 50cm

SAE

10

-40°F / -40°C

16

12" / 30cm

BIKE (DIN)

5

-4°F / -20°C

26

12" / 30cm

SAE

10

-40°F / -40°C

36

18" / 45cm

BIKE (DIN)

10

-40°F / -40°C



x6 AUTO SOCKET (Ø 21mm) with bike/DIN connector

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

16**36**

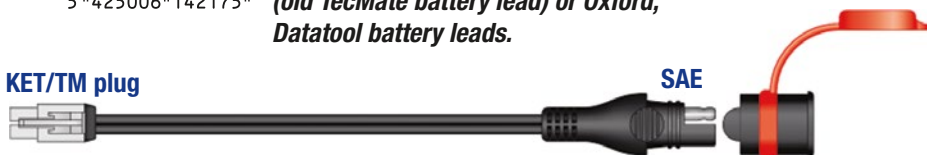


x7 ADAPTERS, SAE to OTHER

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 Oxford,
Datatool battery leads.*

KET/TM plug
SAE

17


*Charger lead adapter for older TecMate or Oxford,
Datatool battery chargers.*

SAE
KET/TM socket

27


SAE polarity adapter


**connector
1**
**connector
2**

Amps DC

Fuse

07

6"/15cm

KET/TM plug

SAE

5

-

-40°F/-40°C

17

6"/15cm

SAE

KET/TM socket

5

-

-40°F/-40°C

27

6"/15cm

SAE

SAE

10

-

-40°F/-40°C

37

40"/100cm

OBD II

SAE

10

15A

-40°F/-40°C

47

12"/30cm

DUCATI < 2010

SAE

5

15A

-40°F/-40°C

57

12"/30cm

MV AGUSTA

SAE

5

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 Kit



5 425006 142786



67M

67F

Polarity adapter included



27



connector
1

connector
2


Amps DC



67 kit

Includes : 027 + 67M + 67F

		connector 1	connector 2	Amps DC	
27	6"/15cm	SAE	SAE	10	-40°F/-40°C
67M	6"/15cm	SAE	DC plug	10	-40°F/-40°C
67F	6"/15cm	SAE	DC socket	10	-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 *BATTERY LEAD INCLUDED*



18



METAL SOCKET WITH SPRING-LOADED CAP *BATTERY LEAD INCLUDED*



connector
1



Amps DC

Fuse



08

40"/100cm

BIKE (DIN) PLASTIC

1/4" / M6

5

15A

-40°F/-40°C

18

40"/100cm

BIKE (DIN) METAL

1/4" / M6

5

15A

-40°F/-40°C





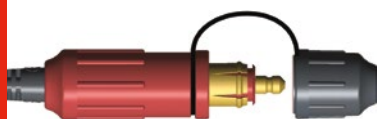
x9 BIKE PLUG (DIN Ø12mm)

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

09



Charge extender



BIKE PLUG straight



BIKE PLUG
90°
low profile



BIKE PLUG 180°
replaces 'straight'
in 2015

		connector 1	connector 2	Amps DC	
09	4ft/120cm	SAE	BIKE (DIN) PLUG, straight	5	-40°F/-40°C
19	6"/15cm	SAE	BIKE (DIN) PLUG, 90°	5	-40°F/-40°C
29	40"/100cm	SAE	BIKE (DIN) PLUG, 90°	5	-40°F/-40°C
39	24"/60cm	DC socket	BIKE (DIN) PLUG, 90°	5	-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

With new BIKE90 low profile plug.

**29****39**



x0 CUSTOM CABLES & ACCESSORIES

OptiMate Cable replacement Accessories
Custom designed hard and soft panel connectors

10



REPLACEMENT CAPS & IN-LINE SEALS FOR OPTIMATE SAE CONNECTORS.



20

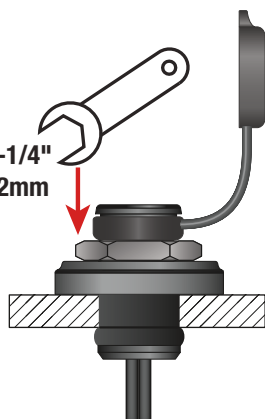


Weatherproof SAE socket, panel mount 1" / 25mm

Mounts from front, ideal for 'difficult to reach behind' bulkhead or panel. Minimum panel thickness: 3/16" / 5mm



Drill 25mm / 1" 1-1/4" hole. Mount socket from front. Rubber expands when M25 nut is tightened.



connector
1

connector
2

Amps DC



20

6" / 15cm

SAE panel mount

SAE

10

-40°F / -40°C

30

12" / 30cm

SAE

DC socket

5

-40°F / -40°C



x0 CUSTOM CABLES & ACCESSORIES

OptiMate Cable replacement Accessories

Custom designed hard and soft panel connectors

30



5 425006 1142854

Tank bag & hard case power entry

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

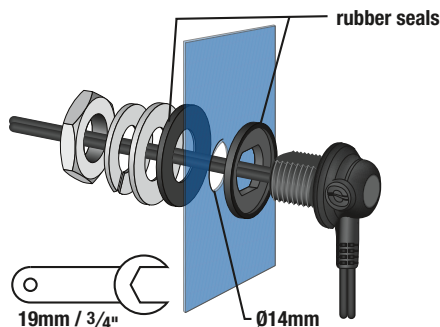
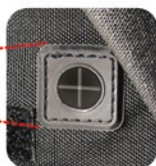


DC2.5 to SAE adapter
included



Wunderlich
Elephant

Round
'cross-hair'
power entry





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


101


Fits TecMate TM-71, Oxford, Datatool battery lead



USB-A extender, adapter mini, adapter micro included with 100, 101, 102

		connector	Auto OFF V →		Adapter
100	1A	SAE	< 12.4V	3 1/4" / 8cm	extender mini / micro
101	1A	KET	< 12.4V	6" / 15cm	extender mini / micro
102	1A	SAE	< 12.4V	80" / 200cm	mini / micro
103	2A	DC plug	< 9V	10" / 25cm	USB sealing cap
104	2A	BIKE (DIN) PLUG	< 12.4V	10" / 25cm	USB sealing cap
106	2A 2 x USB	AUTO PLUG	< 9V	2" / 5cm	sealing cap
107	2A	SAE	< 12.4V	10" / 25cm	SAE & USB seals



10x USB CHARGERS & CABLES

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

102


5 425006 142922



Ideal for on bike use - GPS & Camera

103


5 425006 143264



103 TIP: Use with O-30 tank bag power entry. Can also be powered from heated apparel 11.1V battery.

104


5 425006 143271



104 TIP: Fits BMW, Victory, Triumph & John Deere sockets.

107


5 425006 144414



Weatherproof
SAE connector

106


5 425006 146067



106 TIP: Fits Harley-Davidson, KTM, Yamaha Super Tenere sockets.

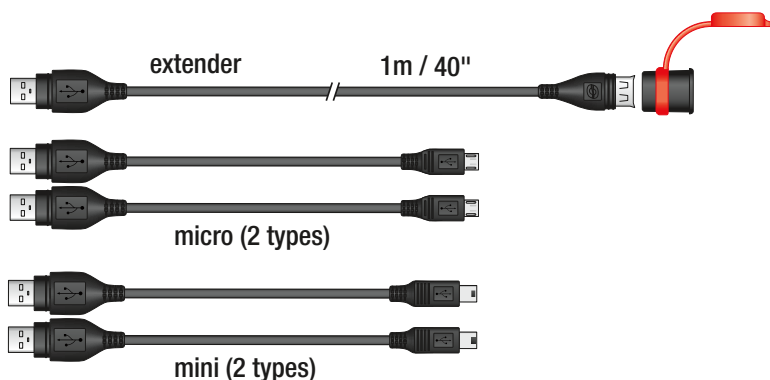


10x USB CABLES

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 for new generation smartphone



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

TIP for Android devices : 0-102 + 0-109

110


USB SPLITTER Split 2A into 2 x 1A limit per output.

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





12x LED LIGHTS

120 / 121



12V 6-LED diagnostic flashlight, SAE

Confirms if vehicle charging system is working or battery is charged & provides emergency roadside light.

Connects to vehicle battery via a fitted permanent battery lead or other 12V supply point.

- GREEN LED indicates: vehicle charge voltage is 14V or higher
- RED LED indicates: battery voltage is less than 12.3V.
- 6 bright LEDs provide bright light to fix a flat tire or light up hard to see places.



CHARGE OK ≥ 14 V



LO BATT < 12.3 V

120 SAE connector



121 KET / TM connector



130 Rechargeable flashlight - fits AUTO socket



AUTO





12x LED BATTERY MONITORS

Storing your vehicle for an extended period and no access to AC supply?
Monitor the battery status, recharge before the battery dies! All LED
monitors have a built in SAE charge port.

122, 123 - Low battery warning flasher

flashes when
battery voltage < 12.5V






122


flashes when
battery voltage < 12.35V


123


01 included with 122, 123



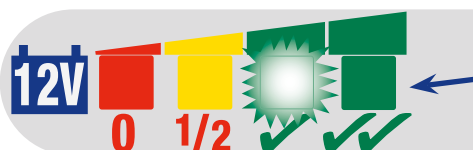
		battery	 Amps DC	 Fuse
122	3" / 8cm	12V AGM lead-acid	5	On 0-1 cable
123	3" / 8cm	ALL 12V lead-acid	5	On 0-1 cable
124	24" / 60cm	ALL 12V lead-acid	10	15A
125	6" / 15cm	ALL 12V lead-acid	10	-
127	24" / 60cm	12.8 / 13.2V lithium 4s	10	15A



12x LED BATTERY MONITORS

Storing your vehicle for an extended period and no access to AC supply?
Monitor the battery status, recharge before the battery dies! All LED
monitors have a built in SAE charge port.

124, 125 - SMART 4 LED monitors



Confirms higher
charge status of
sealed AGM (MF)

SAE



124
LEAD-ACID



5 425006 144247

1/4"
M6

SAE charge port



125
LEAD-ACID



5 425006 144254



SAE in & out

127



5 425006 144278

SMART 3 LED monitor for Lithium batteries



SAE

1/4"
M6

Optimate

TEST

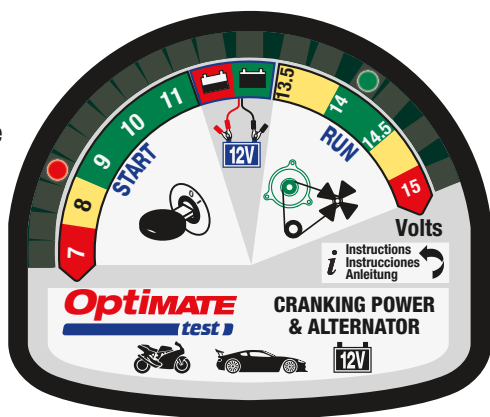
TS-120



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-126

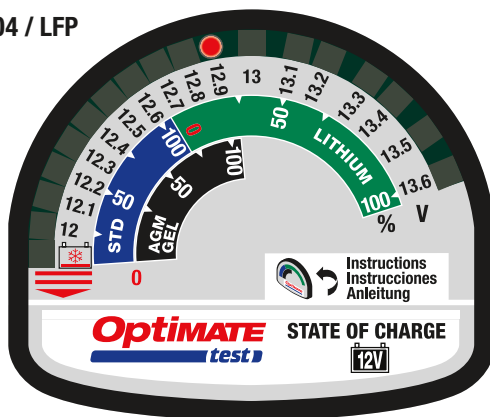


State of charge battery tester

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.



optimate1.com

