

CABLE

USB

LED

MONITOR

Optimate **accessories**



optimate1.com



EN-EU
Mar 2015



x1 WEATHERPROOF BATTERY LEAD

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

01



01 JAR



11



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					
11	20" 50cm	SAE	5/16" M8	16AWG 1.31mm ²	15A	-40°F -40°C
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



12



22



Q3

		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
22	6" 15cm	RCA	AUTO Ø21mm	18AWG 0.82mm ²	10A	-40°F -40°C



x3 CHARGE CABLE EXTENDER

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.



		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



5 425006 142144



SQUARE



FLAT



ROUND



14 + with fuse



5 425006 143899



connector
1

connector
2



04

20"
50cm

SAE

OPTIMATE
CLIPS

16AWG
1.31mm²

-

-40°F
-40°C

14

20"
50cm

SAE

OPTIMATE
CLIPS

16AWG
1.31mm²

15A

-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.

05



5 425006 143301



15



5 425006 143325



connector
in

connector
Y (out)



05

20"
50cm

SAE

2 x SAE

18AWG
0.82mm²

2 x
15A

-40°F
-40°C

15

12"
30cm

SAE

2 x SAE

18AWG
0.82mm²

-

-4°F
-20°C

35

12"
30cm

SAE

2 x DC socket
5.5x2.5mm

16AWG
1.31mm²

-

-40°F
-40°C

45

12"
30cm

DC plug
5.5x2.5mm

2 x DC socket
5.5x2.5mm

18AWG
0.82mm²

-

-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)





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

06



16



		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. Fits x2 AUTO PLUGS.

26**36**



x7 ADAPTERS, SAE to OTHER

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

07 
5 425006 142175

Battery lead adapter for TM-71
(old TecMate battery lead) or Oxford,
Datatool battery leads.

KET/TM plug

SAE



17 
5 425006 143349

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

SAE



KET/TM
socket

27 
5 425006 142977

SAE polarity adapter



connector
1

connector
2



07

6"
15cm

KET/TM
plug

SAE

18AWG
0.82mm²

-

-40°F
-40°C

17

6"
15cm

SAE

KET/TM
socket

18AWG
0.82mm²

-

-4°F
-20°C

27

6"
15cm

SAE

SAE

16AWG
1.31mm²

-

-40°F
-40°C

37

40"
100cm

OBD II
(automotive)

SAE

16AWG
1.31mm²

15A

-40°F
-40°C

47

12"
30cm

DUCATI
< 2010

SAE

18AWG
0.82mm²

15A

-40°F
-40°C

57

12"
30cm

MV
AGUSTA

SAE

18AWG
0.82mm²

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*

5 425006 142649

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.

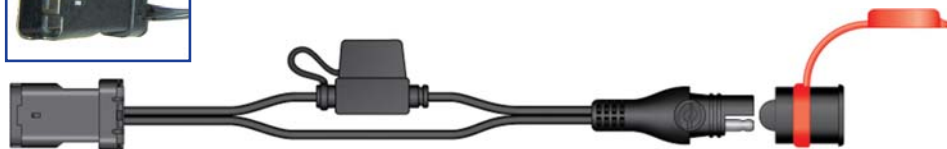
TIP: Monitor battery charge level with 0-123 or 0-125 LED battery monitor.



47 *Ducati (>2010) to SAE adapter*

5 425006 142984

Fits under seat battery charger connector in motorcycle wiring loom.



57 *MV Agusta to SAE adapter*

5 425006 142991

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



5 425006 142977



27



connector
1

connector
2



**67
kit**

INCLUDES ALL PARTS BELOW

		connector 1	connector 2		
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



5 425006 143431

STANDARD SOCKET WITH RUBBER PLUG

NEW! + BATTERY LEAD



18



5 425006 143998

METAL SOCKET WITH SPRING-LOADED CAP

NEW! + BATTERY LEAD



connector
1



08

40"
100cm

BIKE (DIN)
PLASTIC

1/4"
M6

18AWG
0.82mm²

15A

-40°F
-40°C

18

40"
100cm

BIKE (DIN)
METAL

1/4"
M6

18AWG
0.82mm²

15A

-40°F
-40°C





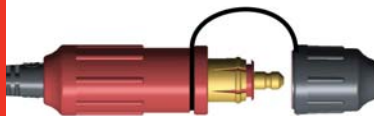
x9 BIKE PLUG (DIN Ø12mm)

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		
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

Will replace BIKE PLUG straight 0-19 version.

**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



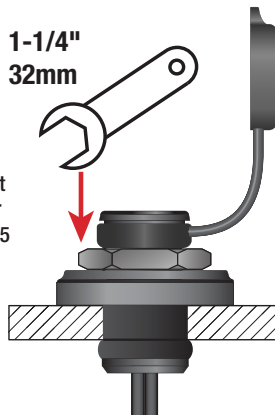
Weatherproof SAE socket, panel mount 1" / 25mm

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



1-1/4"
32mm

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



connector
1

connector
2



20

6"
15cm

SAE
panel mount

SAE

16AWG
1.31mm²

-40°F
-40°C

30

12"
30cm

SAE

DC socket
5.5x2.5mm

18AWG
0.82mm²

-40°F
-40°C





x0 CUSTOM CABLES & ACCESSORIES

OptiMate Cable replacement Accessories

Custom designed hard and soft panel connectors

30



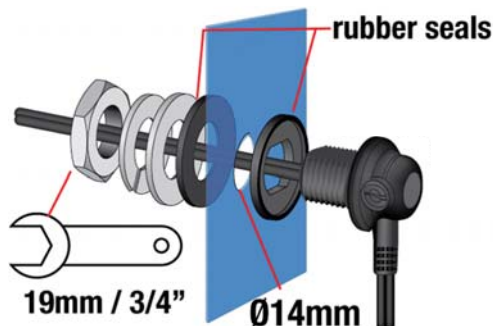
Tank bag & hard case power entry

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



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



5 425006 142908



Ideal for smartphone recharging,
including iPhone 6

		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
105	6A 4 xUSB	SAE	2 x 2A, 2 x 1A output battery auto protect select: 9 / 12.4 / 13.3V	4 x 3" 10x8cm	-
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

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.

101


Fits TecMate TM-71, Oxford,
Datatool battery lead



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

102


Ideal for on bike use - GPS & Camera


103

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


104


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

107


Weatherproof
SAE connector

106


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



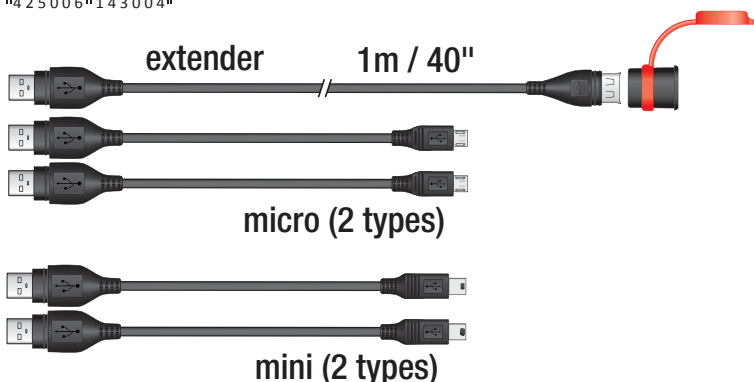


10x USB CABLES

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



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 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

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

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

01 included



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

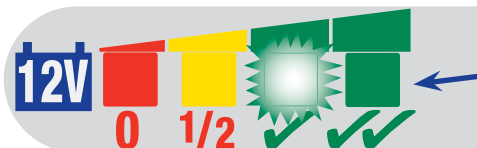


12x LED BATTERY MONITORS

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

Monitor the battery status, recharge before the battery dies! All LED monitors have a built in SAE charge port.

124, 125, 127 - SMART 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
LITHIUM



5 425006 144278



SAE

1/4"
M6



Optimate TEST

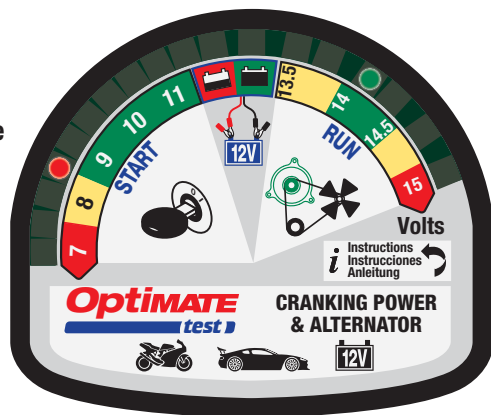
TS-120



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



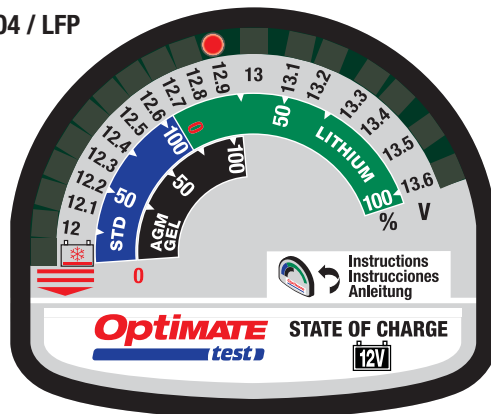
State of charge battery tester

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

