Defi-Link Meter ADVANCE A1 / RS / CR / BF　Racer Gauge N2　Racer Gauge

φ52
φ60
FRONT　SIDE
Gauge size
φA
Peak LED
Warning LED

φ80
FRONT　SIDE
C
Gauge size
φA
Warning LED(red)　Peak LED(blue)

E
D
G (Movable range)
φF

D
J
G (Movable range)
K※　H
L
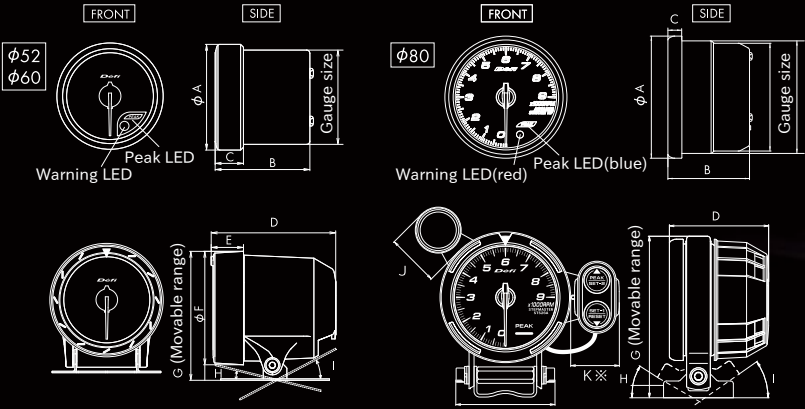
Gauge size

Gauge size	A	B	C	D	E	F	G	H	I	J	K※	L
φ52	58.3	52.2	15.5	68.6	17.8	62.5	69.6～71.1	15°	28°	—	—	—
φ60	66.3	52.2	15.5	68.6	17.8	70.5	77.6～79.1	15°	32°	—	—	—
φ60(w/o RPB)	66.3	52.2	15.5	66	—	—	75.5～77	18°	32°	—	—	—
A1 φ60	66.3	54.6	17.9	68.3	—	—	75.5～77	18°	32°	—	—	—
φ80(w/o RPB)	86.8	58	9.9	71	—	—	112～116	30°	35°	36.9	34.2	69.2

Only for φ80 Tachometer
□unit【mm】(1mm=0.039in.)

ADVANCE ZD

FRONT　SIDE
A
B
Sequential Indicator
(8 LEDs)
E
F
G
ZD movable range☆
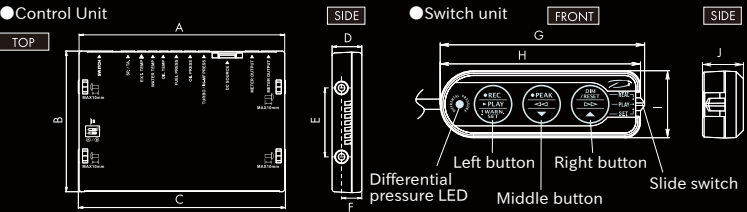OLED Display
SET button
DIM sensor　SELECT button
BACK
J
K
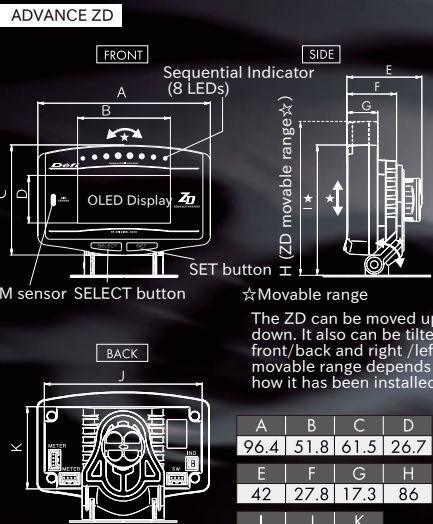
☆Movable range
The ZD can be moved up and down. It also can be tilted front/back and right /left. The movable range depends upon how it has been installed.

A	B	C	D
96.4	51.8	61.5	26.7

E	F	G	H
42	27.8	17.3	86

I	J	K
73	88.2	45.9

■単位 [mm]
(1mm=0.039in.)

Defi-Link ADVANCE Control Unit

●Control Unit
TOP
SIDE
A
B
D
C
FRONT
E
F

●Switch unit
FRONT　SIDE
G
H
J
Differential pressure LED
Left button　Right button
Middle button　Slide switch

A	B	C	D	E	F
152.2	104	153.2	22	51	15

G	H	I	J
80	78.4	26.2	16

□unit【mm】(1mm=0.039in.)

DIN-Gauge

FRONT　SIDE
A
B
C
E
D
F
G
Temperature gauge1　Temperature gauge2　Pressure gauge

A	B	C	D	E	F	G
178	170	46	50	112	10.3	49.8

□unit【mm】(1mm=0.039in.)

Defi Regular Position Bezel

■ADVANCE CR/BF/RS
■ Racer Gauge N2
For φ52　●PDF07812G
For φ60　●PDF08607G
φ52 2¹/₁₆″　φ60 2³/₈″

【Applicable products】
ADVANCE Series φ52,φ60
Racer Gauge N2 φ52,φ60

■Racer Gauge
For φ52　●DF06201
For φ60　●PDF11516G
φ52 2¹/₁₆″　φ60 2³/₈″

【Applicable products】
Racer Gauge φ52,φ60

■φ80 Tachometer
For φ80　●DF07105G
φ80 3¹/₈″

⚠ RPB and a Single Visor cannot be mounted together.

Defi-Link ADVANCE Tacho 80 Indicator

■Defi-Link ADVANCE φ80 Tachometer Indicator
●PDF07108I
φ80 3¹/₈″

【Applicable products】
ADVANCE φ80 Tachometer
Large-sized indicator enhanced by green and red lights improves visibility of warnings in addition to the warning LED.
Specifications: The power supply and signals are supplied from the gauge
Dimensions: 32.2(W)X78.0(D)X41.6(H)mm
Wire length: 20cm

⚠ Indicator is not stand-alone.

Defi Single Meter Visor

■Defi Single Meter Visor
For φ52　●DF11101
For φ60　●DF11201
φ52 2¹/₁₆″　φ60 2³/₈″

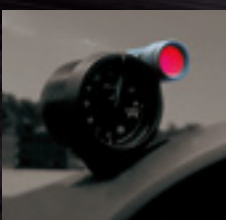【Applicable products】
ADVANCE Series φ52,φ60
Racer Gauge φ52,φ60
Defi-Link Meter Series φ52,φ60
Single Meter Visor reduces sun glare on the gauge and prevents the reflection of the gauge onto the windshield at night.

Defi-Link ADVANCE Racer Gauge N2
Racer Gauge

⚠ Single Visor and RPB cannot be mounted together.

Defi-Link ADVANCE Indicator

■Defi-Link ADVANCE Indicator
●DF09601
φ52 2¹/₁₆″　φ60 2³/₈″

【Applicable products】
ADVANCE Series φ52,φ60,ZD
■Small, light weight, and bright.
■Linkable lighting with the ADVANCE Gauges.
Specifications: The power supply and signals are supplied from the gauge
Dimensions: 27.6(W)X55.8(D)X31.5(H)mm
Two wires (1m, 15cm) are included.

⚠ Indicator is not stand-alone.

Defi Fitting Kit

■Defi Fitting Kit
●DF09501
φ52 2¹/₁₆″　φ60 2³/₈″

【Applicable products】
ADVANCE Series φ52,φ60,ZD
Defi-Link Meter Series φ52,φ60
Racer Gauge φ52
Free fitting for mounting on A pillar or the steering column.

Defi-Link ADVANCE Racer Gauge N2
Racer Gauge

⚠ Drilling is necessary for a screw cramp.

Example of use: A-pillar

NIPPON SEIKI CO.,LTD.

34-2 Higashi-Zaoh 2-chome,Nagaoka-shi,Niigata 940-8550 JAPAN
Specifications may be changed without notice in order to improve performance.
Products may slightly differ from photographs.

19.01-3K

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Defi web site　Defi Facebook　Defi Instagram

TABLE OF CONTENTS

Defi SPORTS DISPLAY
DSD F

ADVANCE TFT
MULTI-INFORMATION DISPLAY
WITH LAP TIMER

FRONT

BACK

105mm (4.1")

SPORTS DISPLAY F

WATER T. °C   BEST TIME
94   **0:59.20**
OIL T.   °C   LAST1 TIME
102   **1:00.57**
TIME   **1:02.44**

RPM

Defi
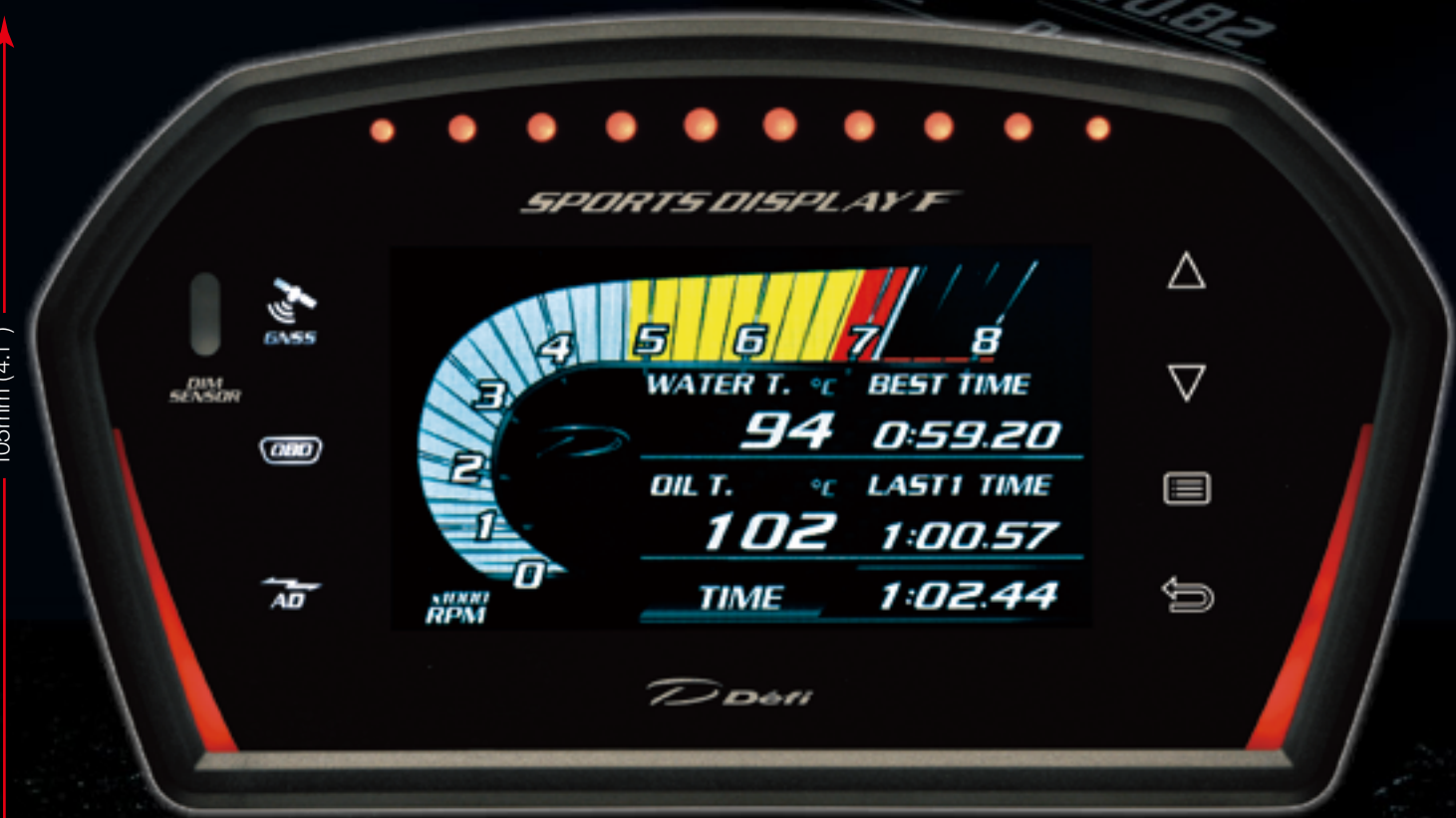
actual size ——— 183.3mm (7.2") ———

Circuit mode

SPEED km/h   WATER T. °C
120   98
IN-M.F.P. %   GEAR
0.05   3
TIME   1:59.46

Gauge mode

SPEED km/h TACHO RPM IN-M.F.P. %
120   7500   -0.02
FUEL P. °C WATER T. °C DIFF.TIME
3.1   105   -0.89
THROTTLE % IN-AIR T. °C GEAR
64   25   3
OIL P.   1.2 x100

Street mode

VOLT   V
13.5
THROTTLE %
15
SPEED km/h
63
TIME   1:59.46

G/Locus mode

G-FORCE   LOCUS
TIME   1:59.46
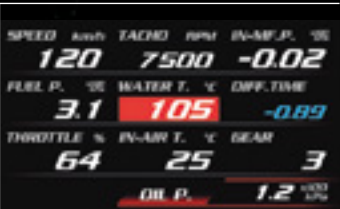
4.2 inches touch panel TFT color LCD enhances the operatability and the readability.
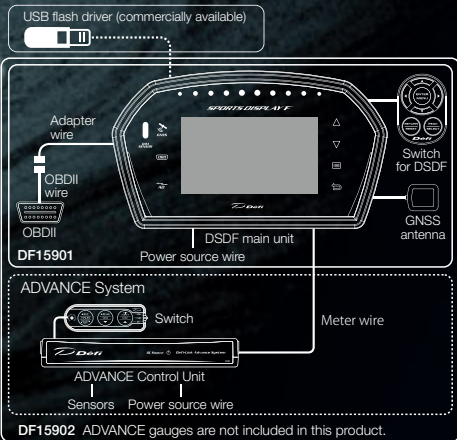The low-reflection glass cuts down the reflection to the panel surface.

DF15901 DSD-F single item

DSDF, OBD wire, switch, and GNSS antenna

DF15902 DSDF ADVANCE Control Unit Set

DF15901, ADVANCE Control Unit,
and sensors (TURBO; OIL PRESS., OIL TEMP., and WATER TEMP.)

SYSTEM STRUCTURE

USB flash driver (commercially available)

Adapter wire

OBDII wire

OBDII

DF15901

SPORTS DISPLAY F

DSDF main unit

Power source wire

Switch for DSDF

GNSS antenna

ADVANCE System

Switch

Meter wire

ADVANCE Control Unit

Sensors   Power source wire

DF15902   ADVANCE gauges are not included in this product.

Accurate location information can be obtained and time can be measured by high performance 10Hz GNSS antenna.

ISO CAN signals from the OBD connector of your vehicle can be showed.

The sensing data can be sent to DSDF from ADVANCE System.

A separate switch unit which is easy to push by fingers with racing gloves is included in the package.
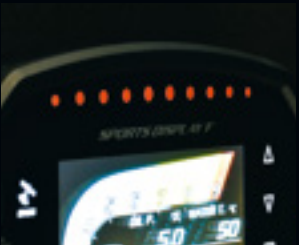
Sequential indicator consists of 10 red LEDs for the tachometer warning.

By using a USB flash drive, driving data can be recorded for a long time (a maximum of 9 hours 59 minutes 59 seconds per file).
※Purchase a commercially available USB flash drive.

4.2inches touch panel TFT color LCD, a dim sensor, and a low reflection glass enhances the operatability and the readability.

LINK SYSTEM

USDM
ADVANCE BF

One ADVANCE Control Unit can control up to 7 gauges.

Defi-Link ADVANCE Control Unit
DC SOURCE

Φ60 2³/8"

BOOST	**OIL P.**	**FUEL P.**	**OIL T.**	**WATER T.**	**EXT.T.**
Φ60 : DF09904	Φ60 : DF10204	Φ60 : DF10304	Φ60 : DF10404	Φ60 : DF10504	Φ60 : DF10604
Corresponds to CAN Driver				Corresponds to CAN Driver	

Φ80 3¹/8"

TACHO
0-9000RPM
Φ80 : DF10902
Corresponds to CAN Driver

TACHO
0-11000RPM
Φ80 : DF11002
Corresponds to CAN Driver

Defi-Link ADVANCE Control Unit

Defi-Link ADVANCE Control Unit
● DF07703

Remote control switch, with illuminations (white), makes driving easier at night.
Equipped with the indicator (blue LED) on the front side for checking the Power Source.
ADVANCE Control Unit is threadably mountable.
Applicable Number of Cylinders:1・2・3・4・5・6・8

● Product Specifications
Power Supply Voltage : DC10～16V (for 12V vehicles)
Current Consumption : Maximum value obtained when connecting 7 gauges.
+B line 2A (IGN ON) Dark current 0mA
5mA(IGN OFF)

Defi-Link Meter ADVANCE BF Control Unit SET

Defi-Link Meter ADVANCE BF Control Unit SET
● DF11407

Package: Boost Gauge 29PSI & ADVANCE Control Unit

⚠ ※ Commercial sensor attachments (thread size 1/8) are required to install pressure and temperature sensors.
※ Defi-Link Meter USDM ADVANCE BF Series needs to be used with the ADVANCE Control Unit.
※ USDM ADVANCE BF gauges which correspond to ADVANCE CAN Driver are 29PSI TURBO,intake manifold pressure, water temperature,and tachometer.

ADVANCE CAN Driver

● Main Features
・ISO-CAN data can be retrieved and ADVANCE gauges
 (tachometer, turbo/boost/in-mani, and water temperature) can be linked together.
・Speed/engine speed pulse can be retrieved from speed/engine speed of ISO-CAN data.
・Warning values can be set. Warning LEDs in gauges light up while exceeding the set
 warning values.
・Peak values can be checked. A commercial switch can be connected to the switch input
 line of the power source wire and used as a peak switch.
・12V illumination ON/OFF signals can be output by retrieving vehicle illumination control
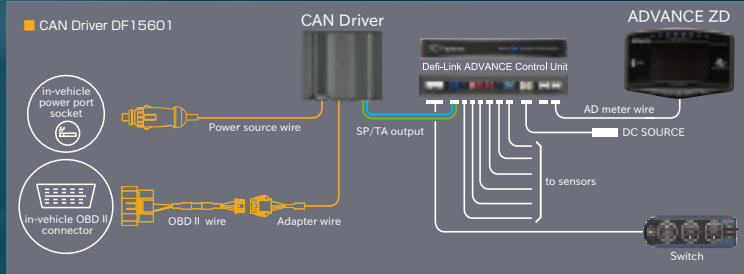 signals.

Components
● CAN Driver ● Power source wire(PDF15601H)
● Speed & tachometer signal output wire(PDF15602H)
● Adapter wire 80cm(2 3/5') (PDF14502H)
● OBD Ⅱ wire 20cm(8") (PDF14503H)

Corresponding gauges	ADVANCE gauges: tachometer, turbo/boost(120kPa, 200kPa, 29PSI), in-mani pressure, water temperature

● Product Specifications
・Power-supply voltage: 10～16V (12V vehicles only)
・Current consumption
 (the maximum value obtained when connecting three gauges):
 ACC 1A (IGN ON), dark-current 0mA
・Temperature range (humidity is assumed to be 80% or lower):
 -30 to +60 ℃/-22 to +140˚F for storage,
 -20 to +60 ℃/-4 to +140˚F for operation

ADVANCE CAN Driver
● DF15601

Speed and engine speed signals can be sent from OBDII to an ADVANCE tachometer or ADVANCE System (if installed) even from vehicles which those signals cannot be obtained from ECU.

CAN Driver tacho meter set
■ CAN Driver tacho meter set
ADVANCE Series (CR/BF) Tachometer,
turbo/boost/in-mani press, water temp

Optional gauge

Connection examples
・Obtains ISO-CAN data from an OBDII connector. Up to 3 gauges can be connected. (ADVANCE Tachometer, turbo/boost/in-mani press, and water temp gauges) ①
・Obtains speed and engine speed pulses from ECU even from vehicles which those pulses cannot be obtained from ECU in case the ADVANCE Control Unit is installed.②

CAN Driver tacho meter set

Φ60 2³/8"

Defi-Link Meter ADVANCE BF
CAN Driver Set (Φ60mm Tachometer)
● DF15701

Components
● CAN Driver
● ADVANCE BF Φ60mm Tachometer 9000rpm WHITE
 (DF10704)
● Power source wire(PDF15601H)
● Adapter wire 80cm(2 3/5') (PDF14502H)
● OBD Ⅱ wire 20cm(8") (PDF14503H)
● ADVANCE meter wire 2m(6 3/5') (PDF07710H)

Φ80 3¹/8"

Defi-Link Meter ADVANCE BF
CAN Driver Set (Φ80mm Tachometer)
● DF15702

Components
● CAN Driver
● ADVANCE BF Φ80mm Tachometer 11000rpm WHITE
 (DF11001)
● Power source wire(PDF15601H)
● Adapter wire 80cm(2 3/5') (PDF14502H)
● OBD Ⅱ wire 20cm(8") (PDF14503H)
● ADVANCE meter wire 2m(6 3/5') (PDF07710H)

Φ80 3¹/8"

Defi-Link Meter ADVANCE A1
CAN Driver Set (Φ80mm Tachometer)
● DF15801

Components
● CAN Driver
● ADVANCE A1 Φ80mm Tachometer 11000rpm WHITE
 (DF15501)
● Power source wire(PDF15601H)
● Adapter wire 80cm(2 3/5') (PDF14502H)
● OBD Ⅱ wire 20cm(8") (PDF14503H)
● ADVANCE meter wire 2m(6 3/5') (PDF07710H)

⚠ ※Please make sure that your vehicle is applicable to this product at a shop of Defi products or contact our distributors before purchasing.
※In the case that your OBD Ⅱ has a cover, it may not be completely closed by attaching this product to OBD Ⅱ connector.

⚠ ※ADVANCE gauges which correspond to ADVANCE CAN Driver are turbo/boost(120kPa, 200kPa, 29PSI), intake manifold pressure, water temperature, and tachometer. All the gauges listed cannot be used depending on vehicle models. Oil pressure, fuel pressure, oil temperature, exhaust temperature, ADVANCE ZD, or Defi SMART ADAPTER cannot be connected to ADVANCE CAN Driver.
※Please make sure that your vehicle is applicable to this product at a shop of Defi products or contact our distributors before purchasing.

Defi-Link Meter ADVANCE A1 Series

●Main Features
・The light-emitting gauge always provides clear visibility with high contrast.
・Brightness can be adjusted by selecting from five levels for daytime and nighttime separately.
・High visibility and quality is provided by low-reflection glass and metallic tone dial plate.
・Concave scales and warning mark ・Mounting bracket cover is included in the package.

φ60 2³/₈"
＊1 Sensorless set for CAN Driver

One ADVANCE Control Unit can control up to 7 gauges.

300kPa TURBO
⚠ ※A rubber hose and a three-way joint are not included. Use commercial parts.
※Some of the functions are different from those of 200kPa/120kPa models.

TURBO / Max300kPa
●DF14901

TURBO / Max200kPa
●DF14801 ●DF14802*¹
Corresponds to CAN Driver

OIL P.
●DF15001

φ80 3¹/₈"

80 TACHOMETER
0-11000RPM
●DF15501
Corresponds to CAN Driver

FUEL P.
●DF15101

OIL T.
●DF15201

WATER T.
●DF15301 ●DF15302*¹
Corresponds to CAN Driver

EXT.T.
●DF15401

●Main Features of ADVANCE A1

Metallic tone dial plate with concave scales and fine circular hairlines

Conventional glass | Low-reflection glass

Low-reflection glass

IGN OFF

⚠ ※Commercially available sensor attachments (thread size 1/8PT) are required to install pressure and temperature sensors.
※Commercially available rubber hose and three-way joint are required to install 300kPa turbo sensor.
※To operate ADVANCE A1 gauges, Defi-Link ADVANCE Control Unit or ADVANCE CAN Driver is necessary.
※Do not connect more than one gauge of the same variety. (i.e. You can NOT connect 2 turbo gauges together.)
※Oil pressure, fuel pressure, oil temperature, or exhaust temperature cannot be connected to ADVANCE CAN Driver.

Defi-Link Meter ADVANCE RS Series

●Main Features
・Interactive communication advanced system is implemented.
・Nippon Seiki's NS logo is printed on the dial face instead of Defi logo.
It's because the NS logo used to be printed on our OEM gauges.
・The needle pointer is white while the illumination is OFF and red while the illumination is ON.
・The illumination color is green and warm white. The two colors can be switched.
The brightness is turned down to make a nostalgic mood.

Resale!! <Order and delivery time> ADVANCE RS will be available on request.
It takes up to 8 to 9 months to ship products after accepting orders because we manufacture RS gauges by order only twice a year.

φ52 2¹/₁₆"

One ADVANCE Control Unit can control up to 7 gauges.

TURBO / Max200kPa
●DF13501
Corresponds to CAN Driver

IN-MF.P.
●DF13601
Corresponds to CAN Driver

OIL P.
●DF13701

φ80 3¹/₈"

80 TACHOMETER
0-11000RPM
●DF14301
Corresponds to CAN Driver

80 TACHOMETER
0-9000RPM
●DF14201
Corresponds to CAN Driver

FUEL P.
●DF13801

OIL T.
●DF13901

WATER T.
●DF14001
Corresponds to CAN Driver

EXT.T.
●DF14101

●Main Features of ADVANCE RS
・The night illumination color is switchable between two colors.

Black dial plate

Classic green/ Classic white

⚠ ※Commercially available sensor attachments (thread size 1/8PT) are required to install pressure and temperature sensors.
※To operate ADVANCE RS gauges, Defi-Link ADVANCE Control Unit or ADVANCE CAN Driver is necessary.
※Do not connect more than one gauge of the same variety. (i.e. You can NOT connect 2 turbo gauges together.)
※Oil pressure, fuel pressure, oil temperature, or exhaust temperature cannot be connected to ADVANCE CAN Driver.

Defi-Link Meter ADVANCE ZD

Defi-Link Meter ADVANCE ZD
DF09701

●Main Features
・The ADVANCE SYSTEM (interactive communication) is implemented.
・The display panel adopts the high-brightness and high-definition OLED made by Nippon Seiki.
・By connecting this product to the ADVANCE SYSTEM, the illumination of ADVANCE BF and CR gauges are controlled automatically.
・Time of 0-100km/h (60MPH) and 0-200km/h (100MPH) can be measured.
・Warm-up mode is equipped to protect the vehicle engine.
・Opening and Ending modes can be selected from two variations.
・Self-diagnosis system detects breaking of wires, short circuit, and communication error and indicates the error conditions.
・Warning values can be set. The display is highlighted and a buzzer sounds during warning. (The buzzer can be set on/off.)
・Sensor data, including peak value and warning value, can be recorded up to three minutes. It can be replayed after driving.
・When both a fuel pressure sensor and a turbo sensor are installed, differential pressure can be displayed.
・The display can be selected from 4 patterns. (Maximum of 6 items can be displayed on one screen.)
・The displayed items and the screen layout can be arranged.
・Has sequential indicator with 8 LEDs.
・Clock and alarm functions.
・Mounting angles are more flexible than conventional products.
・Has odometer and tripmeter.
・From 0℃(32℉) can be displayed on the oil, water, and exhaust temperature gauges.
・Graphic animation is played during idling - on special mode.
・Metric or imperial units can be displayed.

[Example]

Defi-Link Meter ADVANCE ZD Club Sports Package ● DF09703

●Main Features
The Defi-Link Meter ADVANCE ZD Club Sports Package contains an ADVANCE ZD, an ADVANCE Control Unit, an oil pressure sensor set, an oil temperature sensor set, and a water temperature sensor set. The Club Sports Package is reasonably priced.

⚠ This package is for users who don't have the Defi-Link ADVANCE SYSTEM.

Sensors and sensor wires are required to display fuel pressure and exhaust temperature. As for displaying differential pressure, turbo and fuel pressure sensors are required.

In the case that the ADVANCE Control Unit is already installed, please purchase the ADVANCE ZD and a sensor set of gauges you want to display.

●Product Specifications

Power supply voltage	10V to 16V DC (for 12V vehicles)		
ADVANCE Control Unit Current consumption (Maximum value obtained when connecting 7 gauges or ZDs)	+B line	2A (IGN ON)	
		5mA (IGN OFF)	
	ILM line	800mA	
Operation temperature range	-20〜+60℃, -4〜+140℉ (under 80% relative humidity)		
Storage temperature range	-30〜+80℃, -22〜+176℉ (under 80% relative humidity)		
Display range ※The sensor sets for each Temp./Press.(OP1 through OP5) are required to display them. ※The sensor sets are not required if the ADVANCE CR/BF is already installed. ※#Sensor sets for OP1,3, and 4 are included in the Club Sports Package.	Speed	0〜400km/h (0〜240MPH)	
	Tachometer	0〜11000RPM	
	OP1※#	Oil Pressure	0〜1000kPa (0〜145PSI)
	OP2※	Fuel Pressure	0〜600kPa (0〜87PSI)
	OP3※#	Oil Temperature	0〜150℃ (32〜302℉)
	OP4※#	Water Temperature	0〜150℃ (32〜302℉)
	OP5※	Exhaust Temperature	0〜1100℃ (32〜2010℉)
	Volt	10〜16V	
	Clock	12 hours display	
Applicable speed pulse	2・4・8・16 pulse (mainly for Japanese vehicles) Pulse free setting:1274〜16562pulse/km 2051〜26665pulse/mile (2〜26pulse)		
Applicable number of cylinders	1・2・3・4・5・6・8 (4 cycle)		
Weight	400g 0.9lb (including a box, mounting parts, wires, and accessories)		

	Parts Name	Parts Number
OP1※#	AD oil press. sensor set	PDF08106SS
OP2※	AD fuel press. sensor set	PDF08205SS
OP3※#	AD oil temp. sensor set	PDF08305SS
OP4※#	AD water temp. sensor set	PDF08405SS
OP5※	AD e.g.t. temp. sensor set	PDF08505SS

⚠ ※The Defi-Link ADVANCE SYSTEM Series products cannot be linked to the old Defi-Link System products.
※The ADVANCE ZD cannot display turbo or intake manifold pressure. The Defi-Link Meter ADVANCE ZD requires the ADVANCE Control Unit.
※ADVANCE ZD cannot be connected directly to ADVANCE CAN Driver (DF15601/DF15701/DF15702). If you want to get signals of speed and engine speed taken out from OBDII and display the values on ADVANCE ZD, ADVANCE Control Unit is necessary to be used together with ADVANCE ZD.

※All photographs are composite.

Defi-Link Meter ADVANCE CR Series

Defi-Link ADVANCE Control Unit
One ADVANCE Control Unit can control up to 7 gauges.

●Main Features
・The ADVANCE SYSTEM adopts interactive communication.
・The flat glass, the long and thin pointer, and high-definition scale provide accurate readings which are easy-to-read. (CR/BF)
・Opening and Ending modes can be selected from two variations.
・When adding more than two gauges, you just connect one gauge to the next one, and arrange wires from the sensors to the ADVANCE Control Unit.
・Our original stepping motor provides smooth and quick response ideal for high performance sports driving.
・The maximum sweep angle 270°which is divided into 3072-4600 (0.088°-0.059°) and controlled by the microcomputer provides accurate sensor data.
・Self-diagnosis function signals a warning LED when it detects broken wires, short circuits, or communication errors.
・The warning value can be set. An alarm buzzer sounds when the warning LED (red) is turned on. It is available to turn on or off.
・Sensor data, including peak value and warning value, can be recorded up to three minutes. And it can be replayed after driving.
・Mounting bracket and a gauge pod are included as standard.
・By installing both a fuel pressure sensor and a turbo sensor, the differential pressure can be displayed on the fuel pressure gauge or the ADVANCE ZD.
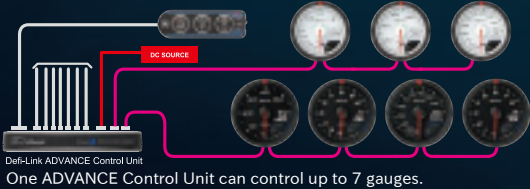
●Features for only ADVANCE CR Series
・Color Option ・Ring Lighting

Black dial plate
White & Amber Red

White dial plate
Blue & Amber Red

φ52 2¹/₁₆"

TURBO / Max200kPa
●DF07801 ○DF07802
Corresponds to CAN Driver

OIL P.
●DF08101 ○DF08102

OIL T.
●DF08301 ○DF08302

WATER T.
●DF08401 ○DF08402
Corresponds to CAN Driver

φ60 2³/₈"

TURBO / Max200kPa
● DF08601 ○DF08602
Corresponds to CAN Driver

TURBO / Max120kPa
●DF08701 ○DF08702
Corresponds to CAN Driver

IN-MF.P.
●DF08801 ○DF08802
Corresponds to CAN Driver

OIL P.
●DF08901 ○DF08902

FUEL P.
● DF09001 ○DF09002

OIL T.
●DF09101 ○DF09102

WATER T.
●DF09201 ○DF09202
Corresponds to CAN Driver

EXT.T.
●DF09301 ○DF09302

TACHOMETER
●DF09403 ○DF09404
Corresponds to CAN Driver

○Common Features of ADVANCE Analog Gauges

Peak LED   Warning LED
・Low mounting gauge pod (11% lower than the ex-model)
・A flat glass is used – reducing reflection and sun glare.
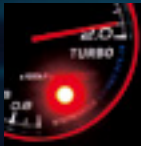
・Gauges shown in the photograph are the ADVANCE CR Series.

Defi-Link Meter ADVANCE BF Series

Defi-Link ADVANCE Control Unit
One ADVANCE Control Unit can control up to 7 gauges.

●Main Features
・Self-luminescence type provides clear visibility with high contrast.
・5-levels dimming function is available for both the night and day modes. Night-time mode has a light-reducing cancel function.

φ60 2³/₈"

⚠ The outer edge of the glass is not illuminated. Illumination color change of the ADVANCE BF Series is not available.

TURBO / Max300kPa
●DF14701 ●DF14702 ●DF14703

⚠ 300kPa TURBO
※φ4 three-way joint and a rubber hose are required. This product doesn't include them.
※Compared 200kPa and 120kPa Turbo Gauges, some functions are unusable on 300kPa Turbo Gauge. Please contact us in details.

TURBO / Max200kPa
●DF09901 ●DF09902 ●DF09903
Corresponds to CAN Driver

TURBO / Max120kPa
●DF10001 ●DF10002 ●DF10003
Corresponds to CAN Driver

IN-MF.P.
●DF10101 ●DF10102 ●DF10103
Corresponds to CAN Driver

OIL P.
●DF10201 ●DF10202 ●DF10203

FUEL P.
●DF10301 ●DF10302 ●DF10303

OIL T.
●DF10401 ●DF10402 ●DF10403

WATER T.
●DF10501 ●DF10502 ●DF10503
Corresponds to CAN Driver

EXT.T.
●DF10601 ●DF10602 ●DF10603

TACHOMETER
●DF10704 ●DF10705 ●DF10706
Corresponds to CAN Driver

φ80 3¹/₈"

0-9000RPM
80 TACHOMETER
●DF10901 ●DF10902 ●DF10903
Corresponds to CAN Driver

0-11000RPM
80 TACHOMETER
●DF11001 ●DF11002 ●DF11003
Corresponds to CAN Driver

○Product Specifications
・Power Supply Voltage
 Supplied from the Defi-Link ADVANCE Control Unit
・Display Range:

TURBO	-100kPa～+300kPa
TURBO	-100kPa～+200kPa
TURBO	-100kPa～+120kPa
INTAKE MANIFOLD PRESS	-100kPa～+20kPa
OIL PRESS.	0～1000kPa
FUEL PRESS.	0～600kPa
OIL TEMP.	50～150℃
WATER TEMP.	20～120℃
EXHAUST TEMP.	200～1100℃
TACHOMETER (Φ60)	0～9000RPM
TACHOMETER (Φ80)	0～9000RPM
	0～11000RPM
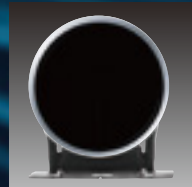
IGN OFF   IGN ON

Defi-Link Meter ADVANCE BF Control Unit SET
●DF11404 ●DF11405 ●DF11406

Package: Turbo Gauge 200kPa & ADVANCE Control Unit
※Color options: White, Amber Red, and Blue of the Turbo Gauge 200kPa

⚠ ※Commercially available sensor attachments (thread size 1/8PT) are required to install pressure and temperature sensors.
※To operate ADVANCE CR/BF gauges, Defi-Link ADVANCE Control Unit or ADVANCE CAN Driver is necessary.
※Do not connect more than one gauge of the same variety. (i.e. You can NOT connect 2 turbo gauges together.)
※Oil pressure, fuel pressure, oil temperature, or exhaust temperature cannot be connected to ADVANCE CAN Driver.

※All photographs are composite.

Racer Gauge Series USDM

Blue Racer Gauge | Red Racer Gauge | White Racer Gauge

●Main Features
・Advanced stepping motor "STEP MASTER VS-2" for Φ52/Φ60 and "STEP MASTER STS26A" for Φ80.
・Self-luminescence gauge when ignition is turned on.
・Opening and Ending modes are designed to show lightning flashes when gauge is turned on and off.
・Ultra bright LEDs for an exciting and clear display.
・Self-diagnosis function to make sure sensors and meter function properly. It detects short circuiting and broken wires.

・High visibility – full sweep 270°movement.
・Mounting bracket and a gauge pod are included.
・Red triangle mark on the regular position bezel allows the user to set a warning.

Φ52 2¹/₁₆"

BOOST / 45 PSI
●DF14601 ●DF14602 ●DF14603

BOOST / 30 PSI
●DF06507 ●DF06501 ●DF06502 ●DF06503

PRESS. PSI
●DF06607 ●DF06601 ●DF06602 ●DF06603

TEMP. ˚F
●DF06707 ●DF06701 ●DF06702 ●DF06703

E.G.T. ˚F
●DF06807 ●DF06801 ●DF06802 ●DF06803

VOLT V
●DF07004 ●DF07005 ●DF07006

Φ60 2³/₈"

Φ60 : DF11502   Φ60 : DF11602   Φ60 : DF11702   Φ60 : DF11802   Φ60 : DF11902

Φ80 3¹/₈"

Φ80 Tachometer

Features for only Φ80 Tachometer
・5-levels dimming function ・Dual warning from buzzer and warning LED ・Large-sized indicator
・Peak memory mode ・Detachable switch unit

Φ80 : DF12001   Φ80 : DF12002   Φ80 : DF12003

0-9000RPM

0-11000RPM

Φ80 : DF12101   Φ80 : DF12102   Φ80 : DF12103

IGNITION OFF

Φ52

Φ60

Φ80

●Product Specifications (ALL RacerGauge)
[φ52 & φ60 ▶ BOOST, PRESS., TEMP., E.G.T., VOLT / φ80 ▶ TACHO]
■Power Supply Voltage: DC10～15V (for 12V Vehicles)
■Current Consumption:
[φ52&φ60]　　+B line　MAX 0.12A (Dark current 0mA)
　　　　　　　IGN line　MAX 0.12A
　　　　　　　ILM line　MAX 2mA
[φ80]　　　　+B line　MAX 0.4A (Dark current 0mA)
　　　　　　　IGN line　MAX 0.4A
　　　　　　　ILM line　MAX 2mA
■Operation Temperature Range: -20 to +60℃, -4 to +140℉ (under 80% relative humidity)
■Storage Temperature Range: -30 to +80℃, -22 to +176℉ (under 80% relative humidity)

■Applicable Number of Cylinders (Tacho): 1・2・3・4・5・6・8
■Display Range:
　　BOOST　　-30inHg～30PSI
　　BOOST　　-30inHg～45PSI
　　PRESS.　　0～140PSI
　　TEMP.　　100～300℉
　　E.G.T.　　400～2000℉
　　VOLT　　　10～15V
　　TACHO　　0～9000RPM, 0～11000RPM

⚠ ※φ4 three-way joint and a rubber hose are required to install 45PSI TURBO.　　※Racer Gauge Series is stand-alone. The ADVANCE Control Unit is not required.
※Commercial sensor attachments (thread size 1/8) are required to install pressure and temperature sensors.
※Racer Gauge Series cannot be linked to the old Defi-Link System and the ADVANCE SYSTEM.

2019 NEW!! # Racer Gauge N2

●Main Features
・Advanced stepping motor "STEP MASTER VS-2" for Φ52/Φ60 and "STEP MASTER STS26A" for Φ80.
・Self-luminescence gauge when ignition is turned on.
・Opening and Ending modes are designed to show lightning flashes when gauge is turned on and off.
・Ultra bright LEDs for an exciting and clear display.
・Self-diagnosis function to make sure sensors and meter function properly. It detects short circuiting and broken wires.

・High visibility – full sweep 270°movement.
・Mounting bracket and a gauge pod are included.

300kPa TURBO

⚠ ※A rubber hose and a three-way joint are not included. Use commercial parts.
※Some of the functions are different from those of 200kPa/120kPa models.

USDM Φ52 2¹/₁₆"

BOOST / 30 PSI	BOOST / 45 PSI	PRESS. PSI	TEMP. ˚F	E.G.T. ˚F	VOLT V
Φ52 : DF16002	Φ52 : DF16102	Φ52 : DF16202	Φ52 : DF16302	Φ52 : DF16402	Φ52 : DF16502

Φ52 2¹/₁₆"

TURBO / 200 kPa	TURBO / 300 kPa	PRESS. kPa	TEMP. ℃	E.G.T. ℃	VOLT V
Φ52 : DF16001	Φ52 : DF16101	Φ52 : DF16201	Φ52 : DF16301	Φ52 : DF16401	Φ52 : DF16501

Φ60 2³/₈"

TURBO / 200 kPa	TURBO / 300 kPa	PRESS. kPa	TEMP. ℃	E.G.T. ℃	VOLT V
Φ60 : DF16601	Φ60 : DF16701	Φ60 : DF16801	Φ60 : DF16901	Φ60 : DF17001	Φ60 : DF17101

Φ80 Tachometer

USDM Φ80 3¹/₈"

0-9000RPM
Φ80 : DF17202

0-9000RPM
Φ80 : DF17201

Φ80 3¹/₈"

0-11000RPM
Φ80 : DF17302

0-11000RPM
Φ80 : DF17301

IGNITION OFF

Φ52

Φ60

Φ80

●Product Specifications (ALL RacerGauge)
[φ52 & φ60 ▶ BOOST, PRESS., TEMP., E.G.T., VOLT / φ80 ▶ TACHO]
■Power Supply Voltage: DC10～15V (for 12V Vehicles)
■Current Consumption:
[φ52&φ60]　　+B line　MAX 0.12A (Dark current 0mA)
　　　　　　　IGN line　MAX 0.12A
　　　　　　　ILM line　MAX 2mA
[φ80]　　　　+B line　MAX 0.4A (Dark current 0mA)
　　　　　　　IGN line　MAX 0.4A
　　　　　　　ILM line　MAX 2mA
■Operation Temperature Range: -20 to +60℃, -4 to +140℉ (under 80% relative humidity)
■Storage Temperature Range: -30 to +80℃, -22 to +176℉ (under 80% relative humidity)

■Applicable Number of Cylinders (Tacho): 1・2・3・4・5・6・8
■Display Range:
　　BOOST　　-30inHg～30PSI
　　BOOST　　-30inHg～45PSI
　　PRESS.　　0～140PSI
　　TEMP.　　100～300℉
　　E.G.T.　　400～2000℉
　　VOLT　　　10～15V
　　TACHO　　0～9000RPM, 0～11000RPM

⚠ ※φ4 three-way joint and a rubber hose are required to install 45PSI TURBO.　　※Racer Gauge Series is stand-alone. The ADVANCE Control Unit is not required.
※Commercial sensor attachments (thread size 1/8) are required to install pressure and temperature sensors.
※Racer Gauge Series cannot be linked to the old Defi-Link System and the ADVANCE SYSTEM.

Racer Gauge Series

●Main Features
・Stepping motor "STEP MASTER VS-2" provides smooth operations.
・A self-luminescence gauge when ignition is turned on.
・Beautifully illuminated by the high-brightness LED.
・Opening and Ending modes are designed to show lightning flashes when gauge is turned on and off.
・A 270-degree sweep style makes the pointer movement easier to read.
・A dedicated mounting bracket and a gauge pod are included as standard.
・The red triangle mark on the regular position bezel can be used as a warning indicator.
・A regular position bezel with a red triangle mark, which can be used as a warning indicator and others, is included as standard.
・Self-diagnosis function attempts to monitor broken wires and short circuits during the Opening mode. And the needle pointer's movement lets you know error conditions.

●Product Specifications
・Power Supply Voltage: DC10 ～ 15V (for 12V Vehicle)
・Current Consumption: +B line MAX 0.12A (Dark current 0mA)
　　　　　　　　　　　IGN line MAX 0.12A
　　　　　　　　　　　ILM line MAX 2mA

・Operation Temperature Range:
　-20 to +60℃,　-4 to +140℉　(under 80% relative humidity)
・Storage Temperature Range:
　-30 to +80℃,　-22 to +176℉　(under 80% relative humidity)
・Display Range:　TURBO　-100kPa ～ +200kPa
　　　　　　　　　PRESS.　0kPa ～ +1000kPa
　　　　　　　　　TEMP.　30℃～ 150℃
　　　　　　　　　EXHAUST TEMP.　200℃～ 1100℃
　　　　　　　　　VOLT　10 ～ 15V

●Main Features
・Stepping motor "STS26A" leads to a wide swing angle and accuracy.
・A self-luminescence gauge when ignition is turned on.
・Opening and Ending modes are designed to show lightning flashes when gauge is turned on and off.
・5-levels dimming function both for the night and day.
・Dual warning from buzzer and warning LED.
・Large-sized indicator is included.
・Peak memory function.
・Detachable switch unit.
・Mounting bracket and a gauge pod are included as standard.

●Product Specifications
・Power Supply Voltage: DC10 ～ 15V (for 12V Vehicles)
・Current Consumption: +B (Red) line MAX 0.4A (Dark current 0mA)
　　　　　　　　　　　IGN (Orange) line MAX 0.4A
　　　　　　　　　　　ILM (White) line MAX 2mA

・Operation Temperature Range:-20 to +60℃(under 80% relative humidity)
・Storage Temperature Range:-30 to +80℃(under 80% relative humidity)
・Applicable Number of Cylinders:1・2・3・4・5・6・8

●Indicator
OFF　　　　　SET1 Green　　　SET2 Red

Large-sized indicator can be set up to make a two-stage warning. The lights are displayed in green and red.

Blue Racer Gauge

Φ52 2¹/₁₆"
Φ60 2³/₈"

TURBO	PRESS.	TEMP.	EXT.T.	VOLT	IGNITION OFF
Φ52 : DF06504	Φ52 : DF06604	Φ52 : DF06704	Φ52 : DF06804	Φ52 : DF07004	
Φ60 : DF11504	Φ60 : DF11604	Φ60 : DF11704	Φ60 : DF11804	Φ60 : DF11901	

Red Racer Gauge

Φ52 2¹/₁₆"
Φ60 2³/₈"

TURBO	PRESS.	TEMP.	EXT.T.	VOLT	IGNITION OFF
Φ52 : DF06505	Φ52 : DF06605	Φ52 : DF06705	Φ52 : DF06805	Φ52 : DF07005	
Φ60 : DF11505	Φ60 : DF11605	Φ60 : DF11705	Φ60 : DF11805	Φ60 : DF11902	

White Racer Gauge

Φ52 2¹/₁₆"
Φ60 2³/₈"

TURBO	PRESS.	TEMP.	EXT.T.	VOLT	IGNITION OFF
Φ52 : DF06506	Φ52 : DF06606	Φ52 : DF06706	Φ52 : DF06806	Φ52 : DF07006	
Φ60 : DF11506	Φ60 : DF11606	Φ60 : DF11706	Φ60 : DF11806	Φ60 : DF11903	

Blue Racer Gauge

Φ80 3¹/₈"

TACHOMETER 0-9000RPM	TACHOMETER 0-11000RPM	IGNITION OFF	
Φ80 : DF12001	Φ80 : DF12101		Remote Control SW Lightning images linked to the night-time illumination.

Red Racer Gauge

Φ80 3¹/₈"

TACHOMETER 0-9000RPM	TACHOMETER 0-11000RPM	IGNITION OFF	
Φ80 : DF12002	Φ80 : DF12102		Remote Control SW Lightning images linked to the night-time illumination.

White Racer Gauge

Φ80 3¹/₈"

TACHOMETER 0-9000RPM	TACHOMETER 0-11000RPM	IGNITION OFF	
Φ80 : DF12003	Φ80 : DF12103		Remote Control SW Lightning images linked to the night-time illumination.

⚠ ※Racer Gauge Series is stand-alone. Link connection is not available. The ADVANCE Control Unit is not required.
※Illumination colors depend on the model. Color is unchangeable.
※Commercial sensor attachments (thread size 1/8) are required to install pressure and temperature sensors.

DIN-Gauge

DIN-Gauge 〖1-Din sized triple meter〗 ※Only for right-hand drive

●Main Features
- Three gauges are neatly fitted into one DIN size.
- Luxury feel is provided by flat face glass.
- The instrument needle pointers of the three gauges move sequentially during Opening and Ending modes.
- Three gauges are angled toward the driver (right-hand driver) for better visibility.
- The maximum sweep angle 270°which is divided into 4600 (0.059°) and controlled by the microcomputer provides accurate sensor data.
- Bright transparent gauge dials and instrument needle pointers are used in the gauges to increase visibility at night.
- Illumination using high-brightness LEDs

●Product Specifications
- Power Supply Voltage: DC10 ～ 16V (for 12V vehicles)
- Current Consumption: +B line   MAX 0.5A (Dark current 0mA)
  IGN line   MAX 0.5A
  ILM line   MAX 0.1A
- Display Range: TEMP.1   30 ～ 150℃
  TEMP.2   50 ～ 150℃
  PRESS.   0 ～ 1000kPa
- Sensor Tread Pitch: Temp. sensor 1/8PT
  Press. sensor 1/8PT
- Dimensions:7(W)X4 3/8(D)X2(H) inches, 178(W)X112(D)X50(H)mm
- Gross Weight: 1100g, 2.43lb. (including DIN-Gauge, harnesses, parts, package)

DF14401
DAY

NIGHT

DF14402
DAY

NIGHT

DF14403
DAY

NIGHT

DF14404
DAY

NIGHT

※DIN-Gauge is stand-alone. The ADVANCE Control Unit is not required.
※There are some cases that a commercial audio bracket may be needed when installing this product.
※Commercial sensor attachments (thread size 1/8) are required to install pressure and temperature sensors.

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iOS/Android
SMART ADAPTER W

SMART ADAPTER W
- DF14501 (ADVANCE UNIT connect)
- For OS : iOS7- / Android2.2-

SMART ADAPTER W OBD SET
- DF14502 (OBD II + ADVANCE UNIT connect)
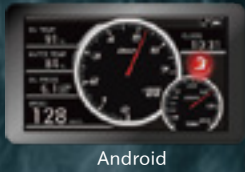- For OS : iOS7- / Android2.2-

APPs

Defi Meter C
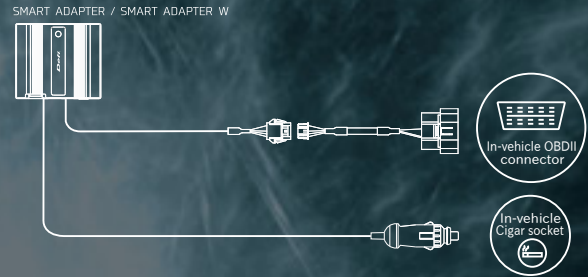iOS / Android

Defi Logger
iOS / Android

●Main Features
- This product transmits the vehicle information to an iOS or an Android OS device via Bluetooth, and the applications can display its information on a mobile device .
- The SMART ADAPTER W can transmit data from vehicle OBD II system and/or with the Defi ADVANCE SYSTEM to a mobile device (simultaneous data when OBD II and the ADVANCE SYSTEM are used in conjunction).
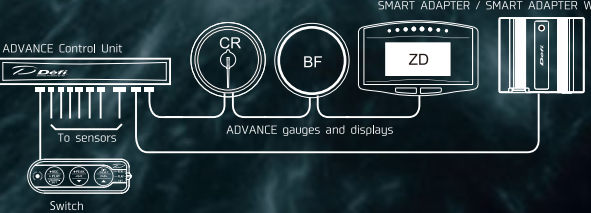
wireless

Android

iOS

② Connection to the ADVANCE SYSTEM (DF14501 recommended product)

SMART ADAPTER / SMART ADAPTER W

ADVANCE Control Unit

To sensors

ADVANCE gauges and displays

Switch

① Connection to OBDII (DF14502 recommended product)

SMART ADAPTER / SMART ADAPTER W

In-vehicle OBDII connector

In-vehicle Cigar socket

③ Connection to both the ADVANCE SYSTEM and the OBDII connector (DF14502 recommended product)

SMART ADAPTER W

ADVANCE Control Unit

To sensors

ADVANCE gauges and displays

Switch

In-vehicle OBDII connector
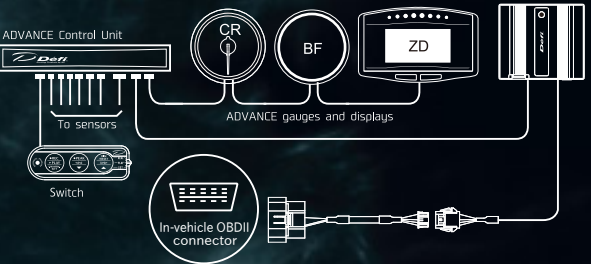
※Vehicle information taken from OBDII cannot be displayed on ADVANCE gauges.
※SMART ADAPETER W complies to the radio laws of Japan, North America, and Canada at this stage.
※Please make sure that your vehicle/device are applicable to this product before purchasing. Contact our official US distributor TEIN USA for details.