

SUPPLIED BY
**TEAGLE.SMITH
LIMITED**

Branches Throughout New Zealand

application data for fitting

SMITHS

TRADE MARK

**WATER
TEMPERATURE
GAUGES**

WATER TEMPERATURE GAUGES

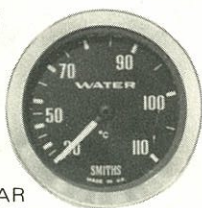
SMITHS Water Temperature Gauges are designed to be suitable for fitment to a wide range of cars. However owing to the variety of thread sizes and fittings on present day vehicles, difficulty may be experienced. This manual provides detailed application data and the recommendations given show the gauges that are suitable, and the fittings required for installation.

Fittings are specially designed to simplify installation and in some instances are included in the kit. However where other fittings are required they are listed under the Smiths Industries' code number.

For easy recognition SMITHS Water Temperature Gauges have been divided into four groups.

GROUP E

BOURDON TUBE TYPE



Codes

TG 1301/00AR
TG 1301/03AR
TG 1301/14R

DUAL GAUGES

Codes

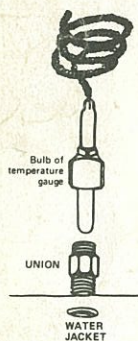
GD 1301/00
GD 1301/04
GD 1301/09



This refers to the Water Temperature part of the Dual Gauge only.

FITTING

The diagram illustrates the fitting of the capillary type Bourdon tube Temperature Gauge.



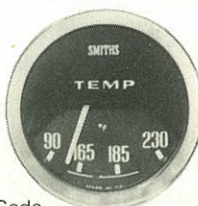
Group E instruments are suitable for vehicles with either 6 volt or 12 volt electrical systems, but the 12 volt bulb supplied must be changed if a 6 volt power supply is being used.

GROUP F

SEMI-CONDUCTOR TYPE

Codes

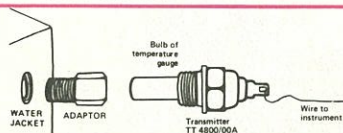
TC 4308/00
TC 4308/01
TC 4308/05



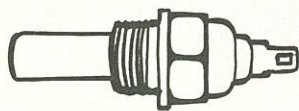
Transmitter Code
TT 4800/00A

FITTING

The Transmitter TT 4800/00A is screwed into the space provided in the water jacket, cylinder head or thermostat housing: the thread size of this transmitter is 5/8" U.N.F. and where this is not suitable, a range of adaptors is available. These can be used as illustrated below:



Group F instruments are only suitable for cars with 12 volt electrical systems.



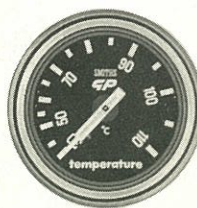
Temperature Transmitter Code TT4800/00A is available as a separate unit and used in conjunction with Adaptors TA5 and TA6, can be fitted to a wide range of cars.

GROUP G

G.P.

Codes

GTB
GTBF



FITTING

These are basically similar to Group E gauges, since they are capillary-type Bourdon tube instruments. Fitting details are therefore similar.

Group G gauges are suitable for 6 volt or 12 volt electrical systems, but are supplied fitted with a 12 volt bulb.

GROUP H

BIMETAL TOP DASH



Codes

TDT TDTF

TWINCHECK



Codes

TPP BTP
TPPM BTPF
TPPF

FITTING

Fitting details are exactly the same as for Group F semi-conductor type temperature indicators, except that the temperature transmitter is supplied in the kit of parts, and is the TT 6811/00 miniature 1/8" x 27 American Dryseal fitting. An adaptor will be required for any thread size other than this type, and TA2 is supplied in the kits. In certain instances it is not suitable and must be changed, and this is noted in the tables.

Group H instruments are only suitable for cars with 12 volt electrical systems.

APPLICATION DATA FOR FITTING WATER TEMPERATURE GAUGES

Make & Model	Instr. Group	Transmitter Code	Adaptor Code	Union Code
AMERICAN MOTORS 1965 on 8 & 6 cyl. with 1/8"x27. conn.	H	In kit	In kit not required	
AUSTIN 7. 850cc Std. & Auto Mini Std. 1100-2 Door Std. & Auto 1967-USA 1100/1300 MK II De Luxe 1967-69.	E F G H	TT.4800/00A In kit	 In kit	TA.4 In kit
BUICK 1962	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
1963 - 66	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
1967 on	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
CADILLAC 1962 on	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
CHEVROLET 1962 - 63	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
1964 on Vega	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
CHRYSLER (EUROPE) Avenger 1250 Basic	E F G H	TT.4800/00A In kit	 In kit	TA.4 In kit
CHRYSLER (USA) 1964 on 1/4"x14 tpi Conn: for W/Light	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
1964 on with 1/8"x27 Eng. Conn: for Gauge.	H	In kit	In kit not required	
DODGE-DART 6 & 8 Cyl. 1962 - 64 with 1/8"x27 Eng. Conn: for Gauge.	H	In kit	In kit not required	
6 & 8 Cyl. 1965 on with 1/2"x14 Eng. Conn: for W/Light	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
6 & 8 Cyl. 1965 on with 1/8"x27 Eng. Conn: for Gauge.	H	In kit	In kit not required	
FORD - AUSTRALIA See Ford U.S.A.				
FORD (D) All models	H	In kit	In kit not required	

Make & Model	Instr. Group	Transmitter Code	Adaptor Code	Union Code
FORD (G.B.) Consul Cortina Std. Sal. 1200cc - 1500cc to May 1965 approx.	E F G H	TT.4800/00A In kit	In kit not required In kit	TA.4 In kit
All models from June 1965	H	In kit	In kit not required	
FORD (U.S.A.) Falcon-Fairlane 1963 - 66 with 1/8"x27 Eng. Connection	H	In kit	In kit not required	
MUSTANG 1965 - 66 with 1/8"x27 Eng. Connection	H	In kit	In kit not required	
T-BIRD 1963 - 66 with 1/8"x27 Eng. Connection.	H	In kit	In kit not required	
CAPRI - PINTO 1600 with 1/8"x27 Eng. Connection.	H	In kit	In kit not required	
HOLDEN All models 1948 on	E F G H	TT.4800/00A In kit	TA.5 TA.5 TA.5 TA.3	In kit In kit
LINCOLN 1963 - 65 with 1/8"x27 Eng. Connection	H	In kit	In kit not required	
MERCURY 1963 - 65 with 1/8"x27 Eng. Connection	H	In kit	In kit not required	
MORRIS All models	E F G H	TT4800/00A In kit	 In kit	TA.4 In kit
OLDSMOBILE 1962 on	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
PLYMOUTH 1964 on with 1/8"x27 Eng. Connection	H	In kit	In kit not required	
PONTIAC	E F G H	TT.4800/00A In kit	TA.5 TA.3	TA.8 TA.8
RENAULT R4 - R6, 850 & 1100, R8, R10, R12 12 Volt	E G H	In kit	TA.10	TA.11 TA.11
R4 to 1970 6 Volt	E G			TA.11 TA.11
Note:		12V. Illumination Bulb fitted in gauge must be replaced by 6 volt.		

Make & Model	Instr. Group	Transmitter Code	Adaptor Code	Union Code
ROVER Landrover Ser.11 & 11A. 88" & 109" W/Base 1958-67 Range Rover	E F G H	TT.4800/00A In kit	 In kit	TA.4 In kit
VAUXHALL Viva - HA, HB, (excluding HB 1600) GT, HC 1159 & 1256cc. Viva & Firenza 2.3 Litre Firenza HC1159 1256cc VX 4/90 FD & FE	E F G H	TT.4800/00A In kit	TA.6 TA.6 TA.6 TA.1	In kit In kit
Viva & Firenza, 1600, 1800, 2000 HC. Victor F, FB, FC. 1600 & 2000 FD Series, 3000 FD, 1800 & 2300 FE Series (Eng. 25000 chas. OV.252009 to Jan 1970) 3300 FE. VX 4/90 F, FB, FC. Ventura FE. Velox & Cresta PA & PB.	E F G H	TT.4800/00A In kit	TA.5 TA.5 TA.5 TA.3	In kit In kit
Ventura FD. Cresta & Viscount PC Victor 3300 FD (Chas. OV 252010 Jan. 1970 on)	E F G H	TT.4800/00A In kit	 In kit	In kit In kit

TEMPERATURE GAUGE ADAPTORS



SALES CODE	DESCRIPTION
TA1	Adaptor 3/8" BSP (M) - 1/8" NPT (F)
TA2	Adaptor 3/8" UNF (M) - 1/8" NPT (F)
TA3	Adaptor 1/2" NPT (M) - 1/8" NPT (F)
TA4	Union 3/8" BSP (M) - 3/8" UNF (M)
TA5	Adaptor 1/2" NPT (M) - 3/8" UNF (F)
TA6	Adaptor 3/8" BSP (M) - 3/8" UNF (F)
TA8	Union 3/8" BSP (M) - 1/2" NPT (M)
TA10	Adaptor 18mm x 1.5mm (M) - 1/8" NPT (F)
TA11	Union 18mm x 1.5mm (M) - 3/8" BSP (M)



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