















MODEL	IPVR-BB-8-16	
CODE	110330	
DIAL	Black	
BEZEL	Black Plastic	
NOTE		

IPVR-WW-8-16 IPVR-BS-8-16 110334 110630 White Black White Plastic Stainless Steel Ø 52mm Gauge; Range 8-16VDC. For 12VDC connection only.

IPVR-WS-8-16 110634 White Stainless Steel

24V VOLTMETER









MODEL	IPVR-BB-18-32
CODE	110340
DIAL	Black
BEZEL	Black Plastic
NOTE	

IPVR-WW-18-32 IPVR-BS-18-32 110344 110640 White Black White Plastic Stainless Steel Ø 52mm Gauge; Range 16-32VDC. For 24VDC connection only.

IPVR-WS-18-32	
110644	
White	
Stainless Steel	

DIGITAL VOLTMETER









MODEL	IEVR-BB-8-32	
CODE	110360	
DIAL	Black	
BEZEL	Black Plastic	
NOTE		Ø 52mm

IEVR-WW-8-32	IEVR-BS-8-32	
110364	110660	
White	Black	
White Plastic	Stainless Steel	
n Gauge; Range 8-32VDC. Sui	table for both 12 & 24VDC conne	ection.

IEVR-WS-8-32	
110664	
White	
Stainless Steel	

DIGITAL AMMETER







MODEL	AMP KIT-BB	
CODE	110337	
DIAL	Black	
BEZEL	Black Plastic	

AMP KIT-WW 110338 White White Plastic

AMP KIT-BS 110637 Black Stainless Steel Ø 52mm Gauge. Range -150 to +150 Amps with a resolution of +/-1 amp. Complete kit, including shunt. Suitable for both 12 & 24VDC connection.

AMP KIT-WS 110638 White Stainless Steel

NOTE: Black dial gauges are stock items, white dial gauges available upon request.



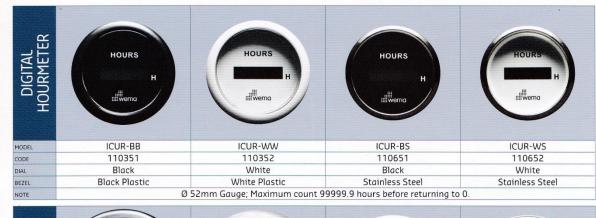
NOTE: Black dial gauges are stock items, white dial gauges available upon request.

IPTR-BB IPTR-WW IPTR-BS IPTR-WS CODE 110355 110359 110655 110659 260-23 Ohms 260-23 Ohms 260-23 Ohms 260-23 Ohms RESISTANCE Black White Black White DIAL Black Plastic White Plastic Stainless Steel Stainless Steel BEZEL Ø 52mm Gauge; Range 40-120°. 12V – dropping resistor included for 24V applications. Refer to temperature senders on page 7.

OIL TEMPERATURE	°C 94.	60 80 100 120 °C	10 0 120	2 QL
MODEL	IPYR-BB	IPYR-WW	IPYR-BS	IPYR-WS
CODE	110370	110371	110670	110671
RESISTANCE	260-23 Ohms	260-23 Ohms	260-23 Ohms	260-23 Ohms
DIAL	Black	White	Black	White
BEZEL	Black Plastic	White Plastic	Stainless Steel	Stainless Steel
NOTE	Ø 52mm Gauge; Range 40-120	o. 12V – dropping resistor include	d for 24V applications. Refer to t	emperature senders on page 7.

EXHAUST GAS TEMPERATURE	400 'C 600 	200 °C 600	800 werna	200 °C 600
MODEL	IMTR-BB	IMTR-WW	IMTR-BS	IMTR-WS
CODE	110347	110348	110647	110648
SIGNAL	K-type	K-type	K-type	K-type
DIAL	Black	White	Black	White
BEZEL	Black Plastic	White Plastic	Stainless Steel	Stainless Steel
NOTE	Ø 52mm Gauge; Range 0-800°0	2. 12V – dropping resistor include	d for 24V applications. Refer to t	hermocouple senders on page 7.

NOTE: Black dial gauges are stock items, white dial gauges available upon request.

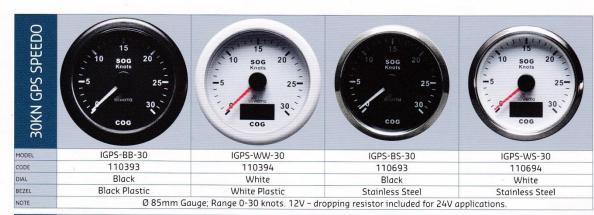


DIESEL TACHOURMETER	20 RPM X100 30	RPM X100 30 110 110 110 110 110 110 110 110 1		20 RPM RPM X100 30
MODEL	IMHB-BB-4KL	IMHB-WW-4KL	IMHB-BS-4KL	IMHB-WS-4KL
CODE	To be advised	To be advised	To be advised	To be advised
DIAL	Black	White	Black	White
BEZEL	Black Plastic	White Plastic	Stainless Steel	Stainless Steel
NOTE	Ø 85mm Gauge; Range 0-4000rpm; 12V – dropping resistor included for 24V applications. Suitable for alternator and inductive (flywheel ring gear) signal input.			

GASOLINÈ TACHOURMETER	30 RPM 50 20 X100 60	30 40 50 RPM 50 20 X100 60 10 70	20 RPM 50 20 X100 60 70 70 10 MWerno 80 1	30 RPM 50 70 70 80 H
MODEL	IMHB-BB-8KL	IMHB-WW-8KL	IMHB-BS-8KL	IMHB-WS-8KL
CODE	To be advised	To be advised	To be advised	To be advised
DIAL	Black	White	Black	White
BEZEL	Black Plastic	White Plastic	Stainless Steel	Stainless Steel
NOTE	ø85mm Ga	uge: Range 0-8000rpm; 12V - dro Suitable for conventional igniti	opping resistor included for 24V o on (2 and 4 cycle) signal input.	ipplications;

 $\label{eq:NOTE:Black} \mbox{NOTE: Black dial gauges are stock items, white dial gauges available upon request.}$





60KN GPS SPEEDO	20 SOG 40 Knots 50-	30 30 40 20 Sog 40 50-	30 29 Soc 40 Rhati -10 50-	20 sog 40 Knots 50-
MODEL	IGPS-BB-60	IGPS-WW-60	IGPS-BS-60	IGPS-WS-60
CODE	110388	110389	110688	110689
DIAL	Black	White	Black	White
BEZEL	Black Plastic	White Plastic	Stainless Steel	Stainless Steel
NOTE	Ø 85mm Ga	iuge; Range 0-60 knots. 12V – dro	opping resistor included for 24V	applications.

52 RUDDER ANGLE	##wema 40° - 30° - 30° - 30° - 10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	40° 40° 30° 20° 10° 0 10° 0	40° - 30° -	40° 30° 30° 30° 30° 30° 30° 30° 30° 30° 3
MODEL	IRR-5-BB	IRR-5-WW	IRR-5-BS	IRR-5-WS
CODE	110327	110328	110621	110622
RESISTANCE	0-190 Ohms	0-190 Ohms	0-190 Ohms	0-190 Ohms
DIAL	Black	White	Black	White
BEZEL	Black Plastic	White Plastic	Stainless Steel	Stainless Steel
NOTE	Ø 52mm Gauge; 12/24V. 12	V – dropping resistor included fo	or 24V applications. Refer to rudo	ler angle sender on page 7.

NOTE	b Szimin dauge, 12/24v. 12v - dropping resisti	or included i	or 240 applications. Refer to rude	der angle sender on page 7.
85 RUDDER ANGLE	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°	ACCESSORIES	0	
MODEL	IRR-6-BB	MODEL	SFB-52	SFB-85
CODE	110667	CODE	160004	160043
RESISTANCE	0-190 Ohms	DESC	Stainless Flush Bezel	Stainless Flush Bezel
DIAL	Black	TO SUIT	52mm With Bayonet Bezel	85mm With Bayonet Bezel
BEZEL	Black Plastic	OD	68mm	110mm
NOTE 1	Ø85mm Gauge; 12/24V. 12V – dropping resistor included for 24V applications. Refer to sender page 7.	NOTE		Series gauges with removable t bezels.

NOTE: Black dial gauges are stock items, white dial gauges available upon request.

PRESSURE SENDERS – ENGINE AND GEAR OIL

MODEL	CODE	RANGE	RESISTANCE	THREAD	FORM
	319005	0-5 bar	10-185 Ohms	1/8" NPTF	Grounded
	319010	0-10 bar	10-185 Ohms	1/8" NPTF	Grounded
	218002	0-2 bar	10-185 Ohms	1/8" NPTF	Ungrounded
	218005	0-5 bar	10-185 Ohms	1/8" NPTF	Ungrounded
	218010	0-10 bar	10-185 Ohms	1/8" NPTF	Ungrounded
	218025	0-25 bar	10-185 Ohms	1/8" NPTF	Ungrounded





TEMPERATURE SENDERS - ENGINE COOLANT AND ENGINE OIL

CODE	RANGE	RESISTANCE	THREAD	FORM
412524*	40-120°C	260-23 Ohms	1/8" NPTF	Grounded
150115	40-120°C	260-23 Ohms	1/8" NPTF	Grounded
150126	40-120°C	260-23 Ohms	1/4" NPTF	Ungrounded
150121	40-120°C	260-23 Ohms	3/8" NPTF	Ungrounded
150125	40-120°C	260-23 Ohms	1/2" NPTF	Ungrounded
150123	40-120°C	260-23 Ohms	5/8" UNF	Ungrounded
150124	40-120°C	260-23 Ohms	M14	Ungrounded
150120	40-120°C	260-23 Ohms	M16	Ungrounded
150118	40-120°C	260-23 Ohms	M18	Ungrounded
	412524* 150115 150126 150121 150125 150123 150124 150120	412524* 40-120°C 150115 40-120°C 150126 40-120°C 150121 40-120°C 150125 40-120°C 150123 40-120°C 150124 40-120°C 150120 40-120°C	412524* 40-120°C 260-23 Ohms 150115 40-120°C 260-23 Ohms 150126 40-120°C 260-23 Ohms 150121 40-120°C 260-23 Ohms 150125 40-120°C 260-23 Ohms 150123 40-120°C 260-23 Ohms 150124 40-120°C 260-23 Ohms 150120 40-120°C 260-23 Ohms	412524* 40-120°C 260-23 Ohms 1/8" NPTF 150115 40-120°C 260-23 Ohms 1/8" NPTF 150126 40-120°C 260-23 Ohms 1/4" NPTF 150121 40-120°C 260-23 Ohms 3/8" NPTF 150125 40-120°C 260-23 Ohms 1/2" NPTF 150123 40-120°C 260-23 Ohms 5/8" UNF 150124 40-120°C 260-23 Ohms M14 150120 40-120°C 260-23 Ohms M16



EXHAUST GAS TEMPERATURE SENDER

MODEL	CODE	RANGE	DESCRIPTION	THREAD	FORM
14	015-029	0-800°C	Standard straight	1/2" NPTF	Ungrounded
	015-030	0-800°C	Standard 90° angle	1/2" NPTF	Ungrounded
SEX-1	150210	0-800°C	Heavy duty long lead	3/8" NPTF	Ungrounded



RUDDER ANGLE INDICATOR SENDER

MODEL	CODE	ANGLE RANGE	RESISTANCE	TYPE	FORM
ROD-5	150311	400-0-400	0-190 Ohms	Lever Arm	Unarounded



TANK LEVEL SENDERS – FUEL AND WATER





MODEL	CODE	TANK DEPTH	RESISTANCE	MOUNTING TYPE
S3-E150	326000	150mm	0-190 Ohms	Threaded 1¼" BSP
S3-E175	326001	175mm	0-190 Ohms	Threaded 1¼" BSP
S3-E200	326002	200mm	0-190 Ohms	Threaded 1¼" BSP
S3-E225	326003	225mm	0-190 Ohms	Threaded 1¼" BSP
S3-E250	326004	250mm	0-190 Ohms	Threaded 1¼" BSP
S3-E275	326005	275mm	0-190 Ohms	Threaded 1¼" BSP
S3-E300	326006	300mm	0-190 Ohms	Threaded 1¼" BSP
S3-E350	326007	350mm	0-190 Ohms	Threaded 1¼" BSP
S3-E400	326008	400mm	0-190 Ohms	Threaded 1¼" BSP
S3-E450	326009	450mm	0-190 Ohms	Threaded 1¼" BSP
S3-E500	326010	500mm	0-190 Ohms	Threaded 1¼" BSP
S3-E550	326011	550mm	0-190 Ohms	Threaded 1¼" BSP
S3-E600	326012	600mm	0-190 Ohms	Threaded 1¼" BSP
S3-E650	326013	650mm	0-190 Ohms	Threaded 1¼" BSP
S3-E700	326014	700mm	0-190 Ohms	Threaded 1¼" BSP
S3-E750	326015	750mm	0-190 Ohms	Threaded 1¼" BSP
S3-E800	326016	800mm	0-190 Ohms	Threaded 1¼" BSP
S3-E850	326017	850mm	0-190 Ohms	Threaded 1¼" BSP
S3-E900	326018	900mm	0-190 Ohms	Threaded 1¼" BSP
S3-E1000	326020	1000mm	0-190 Ohms	Threaded 1¼" BSP
S3-E1100	326021	1100mm	0-190 Ohms	Threaded 1¼" BSP
S3-E1200	326022	1200mm	0-190 Ohms	Threaded 1¼" BSP
S3-E1300	326023	1300mm	0-190 Ohms	Threaded 1¼" BSP
S3-E1400	326024	1400mm	0-190 Ohms	Threaded 1¼" BSP
S3-E1500	326025	1500mm	0-190 Ohms	Threaded 1¼" BSP
S3-A150	326060	150mm	240-30 Ohms	Threaded 1¼" BSP
S3-A175	326061	175mm	240-30 Ohms	Threaded 1¼" BSP
S3-A200	326062	200mm	240-30 Ohms	Threaded 1¼" BSP
S3-A225	326063	225mm	240-30 Ohms	Threaded 1¼" BSP
S3-A250	326064	250mm	240-30 Ohms	Threaded 1¼" BSP
S3-A275	326065	275mm	240-30 Ohms	Threaded 1¼" BSP
S3-A300	326066	300mm	240-30 Ohms	Threaded 1¼" BSP
S3-A350	326067	350mm	240-30 Ohms	Threaded 1¼" BSP
S3-A400	326068	400mm	240-30 Ohms	Threaded 1¼" BSP
S3-A450	326069	450mm	240-30 Ohms	Threaded 1¼" BSP
S3-A500	326070	500mm	240-30 Ohms	Threaded 1¼" BSP
S3-A550	326071	550mm	240-30 Ohms	Threaded 1¼" BSP
S3-A600	326072	600mm	240-30 Ohms	Threaded 1¼" BSP
S3-A650	326073	650mm	240-30 Ohms	Threaded 1¼" BSP
S3-A700	326074	700mm	240-30 Ohms	Threaded 1¼" BSP
S3-A750	326075	750mm	240-30 Ohms	Threaded 1¼" BSP
S3-A800	326076	800mm	240-30 Ohms	Threaded 1¼" BSP
S3-A850	326077	850mm	240-30 Ohms	Threaded 1¼" BSP
S3-A900	326078	900mm	240-30 Ohms	Threaded 1¼" BSP
S3-A1000	326080	1000mm	240-30 Ohms	Threaded 1¼" BSP

	NAMES AND ADDRESS OF THE PARTY	-		
MODEL	CODE	TANK DEPTH	RESISTANCE	MOUNTING TYPE
S5-E150	323100	150mm	0-190 Ohms	5 hole SAE Flange
S5-E175	323101	175mm	0-190 Ohms	5 hole SAE Flange
S5-E200	323102	200mm	0-190 Ohms	5 hole SAE Flange
S5-E225	323103	225mm	0-190 Ohms	5 hole SAE Flange
S5-E250	323104	250mm	0-190 Ohms	5 hole SAE Flange
S5-E275	323105	275mm	0-190 Ohms	5 hole SAE Flange
S5-E300	323106	300mm	0-190 Ohms	5 hole SAE Flange
S5-E350	323107	350mm	0-190 Ohms	5 hole SAE Flange
S5-E400	323108	400mm	0-190 Ohms	5 hole SAE Flange
S5-E450	323109	450mm	0-190 Ohms	5 hole SAE Flange
S5-E500	323110	500mm	0-190 Ohms	5 hole SAE Flange
S5-E550	323111	550mm	0-190 Ohms	5 hole SAE Flange
S5-E600	323112	600mm	0-190 Ohms	5 hole SAE Flange
S5-E650	323113	650mm	0-190 Ohms	5 hole SAE Flange
S5-E700	323114	700mm	0-190 Ohms	5 hole SAE Flange
S5-E750	323115	750mm	0-190 Ohms	5 hole SAE Flange
S5-E800	323116	800mm	0-190 Ohms	5 hole SAE Flange
S5-E850	323117	850mm	0-190 Ohms	5 hole SAE Flange
S5-E900	323118	900mm	0-190 Ohms	5 hole SAE Flange
S5-E1000	323120	1000mm	0-190 Ohms	5 hole SAE Flange
S5-E1100	323121	1100mm	0-190 Ohms	5 hole SAE Flange
S5-E1200	323122	1200mm	0-190 Ohms	5 hole SAE Flange
S5-E1300	323123	1300mm	0-190 Ohms	5 hole SAE Flange
S5-E1400	323124	1400mm	0-190 Ohms	5 hole SAE Flange
S5-E1500	323124	1500mm	0-190 Ohms	5 hole SAE Flange
33-61300	323123	130011111	0-190 011113	5 Hole SAC Flurige
S5-A150	323130	150mm	240-30 Ohms	5 hole SAE Flange
S5-A175	323131	175mm	240-30 Ohms	5 hole SAE Flange
S5-A200	323132	200mm	240-30 Ohms	5 hole SAE Flange
S5-A225	323133	225mm	240-30 Ohms	5 hole SAE Flange
S5-A250	323134	250mm	240-30 Ohms	5 hole SAE Flange
S5-A275	323135	275mm	240-30 Ohms	5 hole SAE Flange
S5-A300	323136	300mm	240-30 Ohms	5 hole SAE Flange
S5-A350	323137	350mm	240-30 Ohms	5 hole SAE Flange
S5-A400	323138	400mm	240-30 Ohms	5 hole SAE Flange
S5-A450	323139	450mm	240-30 Ohms	5 hole SAE Flange
S5-A500	323140	500mm	240-30 Ohms	5 hole SAE Flange
S5-A550	323141	550mm	240-30 Ohms	5 hole SAE Flange
S5-A550	323141			
		600mm	240-30 Ohms	5 hole SAE Flange
S5-A650	323143	650mm	240-30 Ohms	5 hole SAE Flange
S5-A700	323144	700mm	240-30 Ohms	5 hole SAE Flange
S5-A750	323145	750mm	240-30 Ohms	5 hole SAE Flange
S5-A800	323146	800mm	240-30 Ohms	5 hole SAE Flange
S5-A850	323147	850mm	240-30 Ohms	5 hole SAE Flange
S5-A900	323148	900mm	240-30 Ohms	5 hole SAE Flange
S5-A1000	323150	1000mm	240-30 Ohms	5 hole SAE Flange

TANK LEVEL SENDERS - WASTE

MODEL	CODE	TANK DEPTH	RESISTANCE	MOUNTING TYPE
S3H-1	126710	100mm	240-30 Ohms	Threaded 1¼" BSP
S3H-2	126711	205mm	240-30 Ohms	Threaded 1¼" BSP
S3H-3	126712	305mm	240-30 Ohms	Threaded 1¼" BSP
S3H-4	126713	410mm	240-30 Ohms	Threaded 1¼" BSP
S3H-5	126715	510mm	240-30 Ohms	Threaded 1¼" BSP
S3H-6	126716	760mm	240-30 Ohms	Threaded 1¼" BSP



TANK	LEVEL SENDERS - ADA	PTORS		
	00			
MODEL	FL-2	FLS-U	HFL	SS-5/4
CODE	163010	163303	163306	163200
DESCRIPTION	Topside flange to adapt S3 1¾" BSP to SAE 5 Hole	Underside flange to mount FL-2 or S5 SAE 5 Hole senders	Topside/underside kit to suit S3H 1¼" BSP waste senders	Stainless steel weld bush for 1¼" BSP tank senders

WARRANTY INFORMATION

Amelec Australia Pty Ltd warrants all Wema instruments against defects in factory workmanship and materials for a period of 2 (two) years from final point of sale providing the item in question does not exceed the manufacture date by more than 3 (three) years. This warranty applies to instruments only and not instrument senders. Specific exclusions of this warranty apply where the item in question has been misapplied or used for a purpose for which it is not designed or intended; or altered in any way that would be detrimental to the performance or life of the product; or opened or tampered with by an unauthorised party; or contaminated by oil, water, grease or other substances; or subjected to misuse, negligence, excessive vibration or mechanical abuse; or damaged as a result of incorrect connection or voltage. Lens breakages are also excluded from the provisions of this warranty. On any part or product found to be defective after examination by Amelec Australia Pty Ltd or their authorised agent, Amelec Australia will only repair or replace the merchandise through the original selling dealer. Amelec Australia assumes no responsibility for diagnosis, removal and/or installation labour, loss of equipment use, loss of time, inconvenience or any other subsequent expenses including freight costs. Save and except for the express warranty set out above and to the maximum extent permitted by law, all conditions and warranties which may at any time be implied by the common law, Trade Practices Act, Fair Trading Act or any Other State or Federal Act are excluded. To the extent that these cannot be excluded and where the law permits, Amelec Australia liability in respect of any such condition or warranty shall be limited at the option of Amelec Australia to the repair or the replacement of the goods or the supply of equivalent goods or refunding the cost of the goods. Amelec Australia Pty Ltd A.B.N. 38 009 386 216