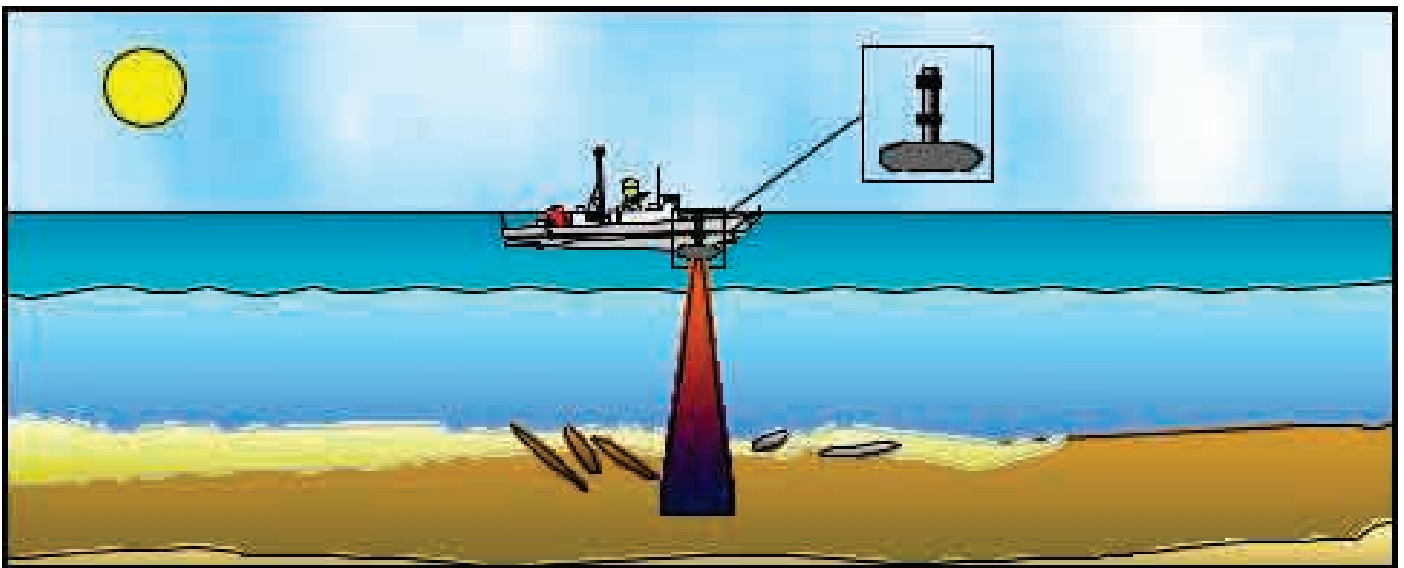


SKIPPER NAVIGATION ECHO SOUNDER TRANSDUCERS

Illustrated parts list

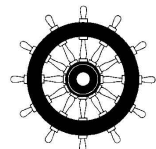
Edition : 20080423



Skipper Electronics A/S
Ryensvingen 5
P.O.Box 151, Manglerud
0612 Oslo, Norway
www.skipper.no

Telephone +47 23 30 22 70
Telefax +47 23 30 22 71
E-mail: skipper@skipper.no
Co.reg.no: NO-965378847 -MVA

SKIPPER



Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhaltes nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz.

Toute communication ou reproduction de ce document, toute Exploitation ou communication de ou son contenu sont interdites, sauf Autorisation expresse. Tout manquement à cette règle est illicite et Expose son auteur au versement de dommages et intérêts.

Copying of this document, and giving it to others and the use or Communication of contents thereof, are forbidden without express Authority. Offenders are liable to the payment of damages.

Sin nuestra expresa autorización, queda terminantemente prohibida la Reproducción total o parcial de este documento, así como su uso Indebido y/o su exhibición o comunicación a terceros. De los infractores Se exigirá el correspondiente resarcimiento de daños y perjuicios.

CONTENTS

TRANSDUCERS FOR STANDARD TANK ETNST, COMBO ETNSTC AND ALU TANK ETNAL	4
ETN050T / ETN050XT. 50kHz transducers for standard tank	4
ETN200T / ETN200XT. 200kHz transducer	5
ETN200ST / ETN200SXT. 200kHz transducer	6
INSTKITTANK-SA, 50/200 kHz transducer standard/combo tank	7
TRANSDUCERS FOR COMBO TANK ETNSTCL	8
ETN024T. 24 khz transducer for Combo tank	8
ETN038T. 38 khz transducer for Combo tank	8
Shipping kit 24/38 kHz transducer combo tank	9
TRANSDUCERS FOR 200MM GATE VALVE SB-200	10
ETN024G. 24 khz transducer	10
ETN038G. 38 khz transducer	11
TRANSDUCER FOR GATE VALVE SB-100 / DB-100	12
ETN050G. 50 khz 25m cable	12
ETN050XG. 50khz 40m cable	12
ETN200SG. 200khz 25m cable	12
ETN200SXG. 200khz 40m cable	12
ETN050GI. 50 khz, ice protected. 25m cable	13
ETN050XGI. 50khz, ice protected 40m cable	13
TRANSDUCER FOR TANK, ALUMINIUM. COMBO	14
ETN050TA. 50kHz 25m	14
ETN050XTA. 50kHz 40m	14
ETN200TA. 200kHz 25m	15
ETN200XTA. 200kHz 40m	15

TRANSDUCERS FOR STANDARD TANK ETNST, COMBO ETNSTC AND ALU TANK ETNAL

ETN050T / ETN050XT. 50kHz transducers for standard tank



ETN050T

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Ring 50kHz	ETN050SR	TC-2010
4	Transducer 50kHz TGM 60-50-25L	ETN050BEL	25m cable

ETN050XT

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Ring 50kHz	ETN050SR	TC-2010
4	Transducer 50kHz TGM 60-50-40L	ETN050BELX	40m cable



ETN200T

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Ring 200kHz	ETN200SR	TC-2011
4	Transducer 200kHz TGM 100-200-25L	ETN200F	25m cable

ETN200XT

Item no	Description		
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Ring 200kHz	ETN200SR	TC-2011
4	Transducer 200kHz TGM 100-200-40L	ETN200FX	40m cable

ETN200ST / ETN200SXT. 200kHz transducer.



ETN200ST

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Ring 50kHz	ETN050SR	TC-2010
4	Transducer 200kHz TGM 50-200-25L	ETN200FS	25m cable

ETN200SXT

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Ring 50kHz	ETN050SR	TC-2010
4	Transducer 200kHz TGM 50-200-40L	ETN200FSX	40m cable



Item no	Description	Part number	Drawing number/info
1	Special wrench	ZOA-01005	
2	Allen key 6mm	ZOA-01003	
3	Screw M8 x 16	ZOA-01016	
4	Washer M12	ZOA-01009	
5	PG Nipple	ZOA-01017	TC-2013
6	Gasket	ZOA-01008	SB-6029

TRANSDUCERS FOR COMBO TANK ETNSTCL

ETN024T. 24 khz transducer for Combo tank

ETN038T. 38 khz transducer for Combo tank



ETN024T

Item no	Description	Part number	Drawing number/info
1	Junction box	ZZL-01019	
2	Shipping kit		See page 9
3	Transducer 24kHz. 40m cable	ETN24M	41-220-1-01

ETN038T

Item no	Description	Part number	Drawing number/info
1	Junction box	ZZL-01019	
2	Shipping kit		See page 9
3	Transducer 38kHz. 40m cable	ETN38M	41-221-1-01

Shipping kit 24/38 kHz transducer combo tank



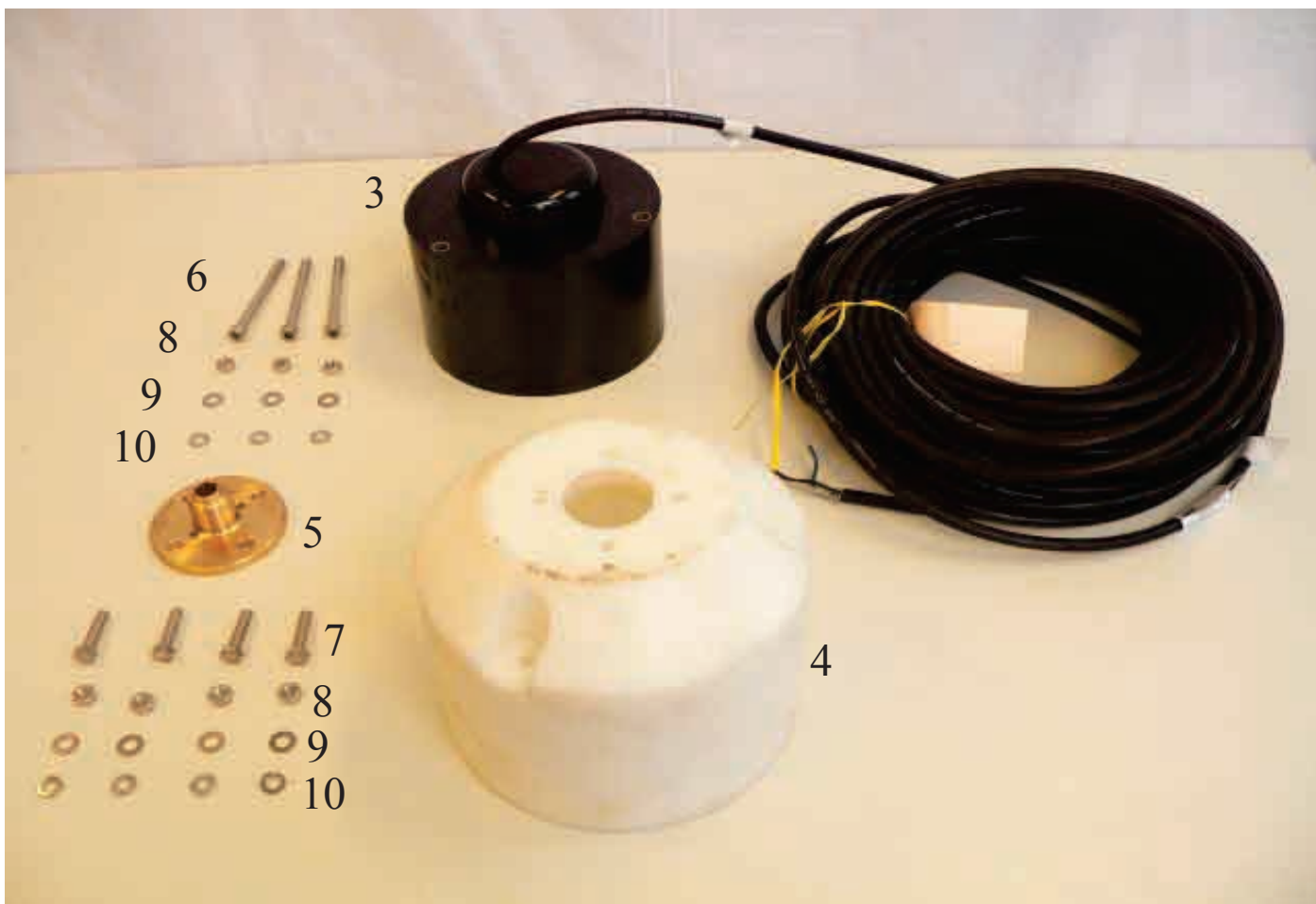
Item no	Description	Part number	Drawing number/info
1	Special wrench	ZOA-01005	
2	Allen key 6mm	ZOA-01003	
3	Screw M8 x 100	ZOA-01053	
4	Washer M12	ZOA-01009	
5	PG Nipple	ZOA-01017	TC-2013
6	Gasket	ZOA-01008	SB-6029

TRANSDUCERS FOR 200MM GATE VALVE SB-200

ETN024G. 24 khz transducer

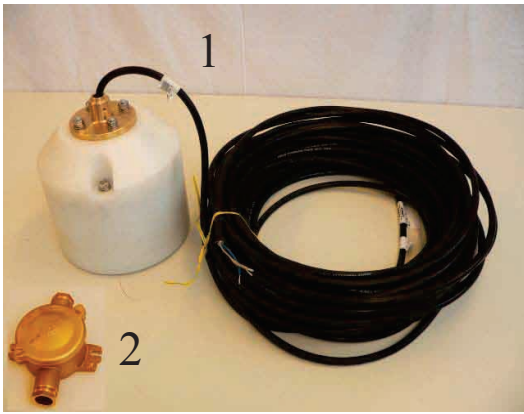


Item no	Description	Part number	Drawing number/info
1	Transducer 24kHz for 200mm gate valve	See below	Factory mounted
2	Junction box	ZZL-01019	

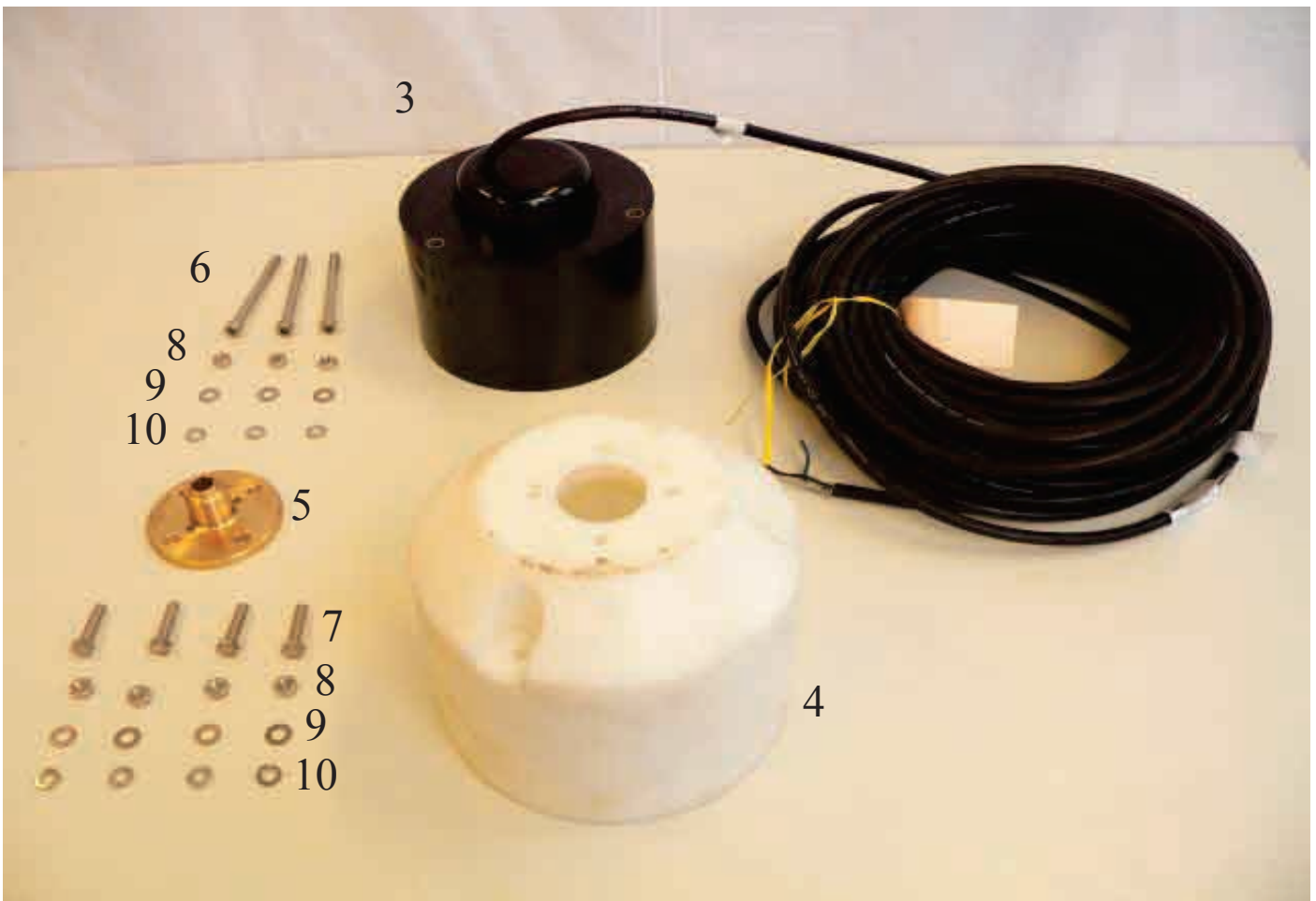


Item no	Description	Part number	
3	Transducer 24kHz. 40m cable	ETN24M	41-220-1-01
4	Cover 24/38kHz Gate valve	SB-4002	SB-4002
5	Cover 24/38kHz Gate valve	DB-2023	DB-2023
6	Screw M8 x 110	ZOA-01053	
7	Screw M8 x 35		
8	Nut M8		
9	Spring washer M8		
10	Washer M8		

ETN038G. 38 khz transducer



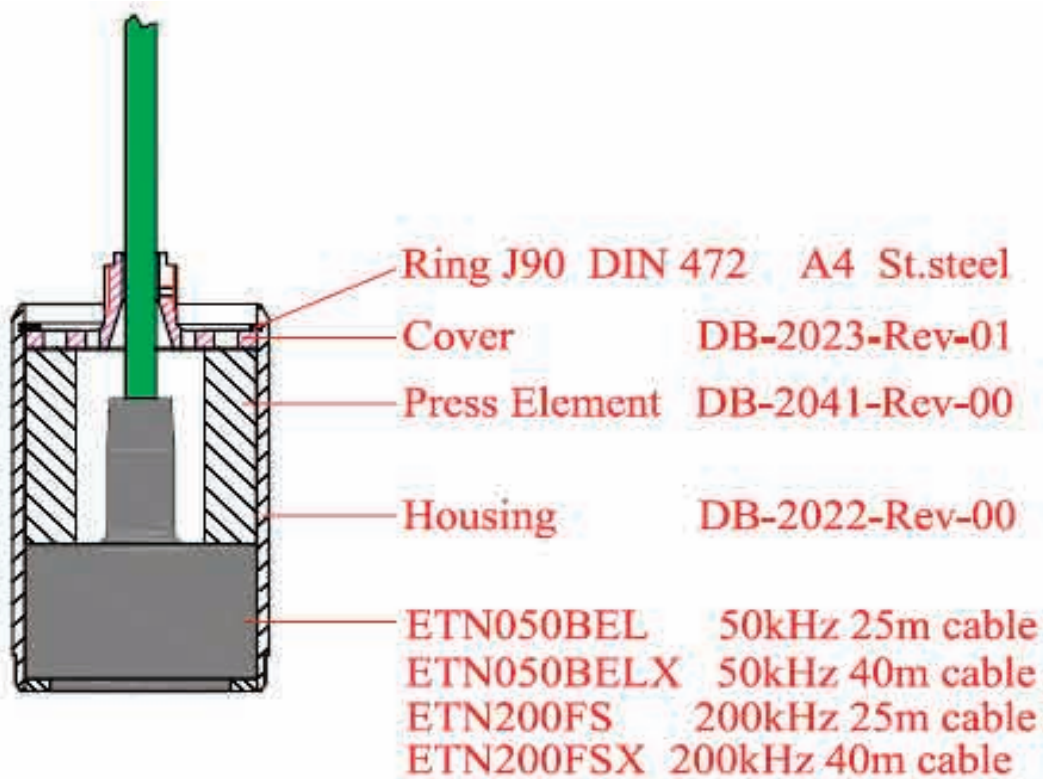
Item no	Description	Part number	Drawing number/info
1	Transducer 38kHz for 200mm gate valve	See below	Factory installed
2	Junction box	ZZL-01019	



Item no	Description	Part number	
3	Transducer 38kHz. 40m cable	ETN38M	41-221-1-01
4	Cover 24/38kHz Gate valve	SB-4002	SB-4002
5	Cover 24/38kHz Gate valve	DB-2023	DB-2023
6	Screw M8 x 110	ZOA-01053	
7	Screw M8 x 35		
8	Nut M8		
9	Spring washer M8		
10	Washer M8		

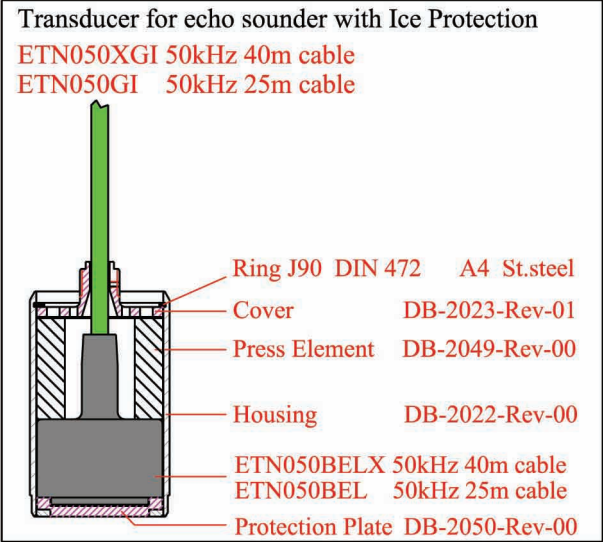
TRANSDUCER FOR GATE VALVE SB-100 / DB-100

ETN050G. 50 khz 25mcable
 ETN050XG. 50khz 40mcable
 ETN200SG. 200khz 25mcable
 ETN200SXG. 200khz 40mcable



Item no	Description	Part number	Drawing number/info
1	Transducer 50 or 200kHz for 100mm gate valve		Factory installed
2	Junction box	ZZL-01019	

ETN050GI. 50 khz, ice protected. 25m cable
ETN050XGI. 50khz, ice protected 40m cable



TRANSDUCER FOR TANK, ALUMINIUM. COMBO



ETN050TA. 50kHz 25m

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Aluminium, Ring for ES transducer	TCA-2043	
4	Transducer 50kHz TGM 60-50-25L	ETN050BEL	25m cable
5	Press element for ES transducer.Tank Alu.	TCA-2044	

ETN050XTA. 50kHz 40m

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Aluminium, Ring for ES transducer	TCA-2043	
4	Transducer 50kHz TGM 60-50-40L	ETN050BELX	40m cable
5	Press element for ES transducer.Tank Alu.	TCA-2044	



ETN200TA. 200kHz 25m

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Aluminium, Ring for ES transducer	TCA-2043	
4	Transducer 200kHz TGM 50-200-25L	ETN200FS	25m cable
5	Press element for ES transducer.Tank Alu.	TCA-2044	

ETN200XTA. 200kHz 40m

Item no	Description	Part number	Drawing number/info
1	Shipping kit	INSTKITTANK-SA	See page 7
2	Junction box	ZZL-01019	
3	Aluminium, Ring for ES transducer	TCA-2043	
4	Transducer 200kHz TGM 50-200-40L	ETN200FSX	40m cable
5	Press element for ES transducer.Tank Alu.	TCA-2044	