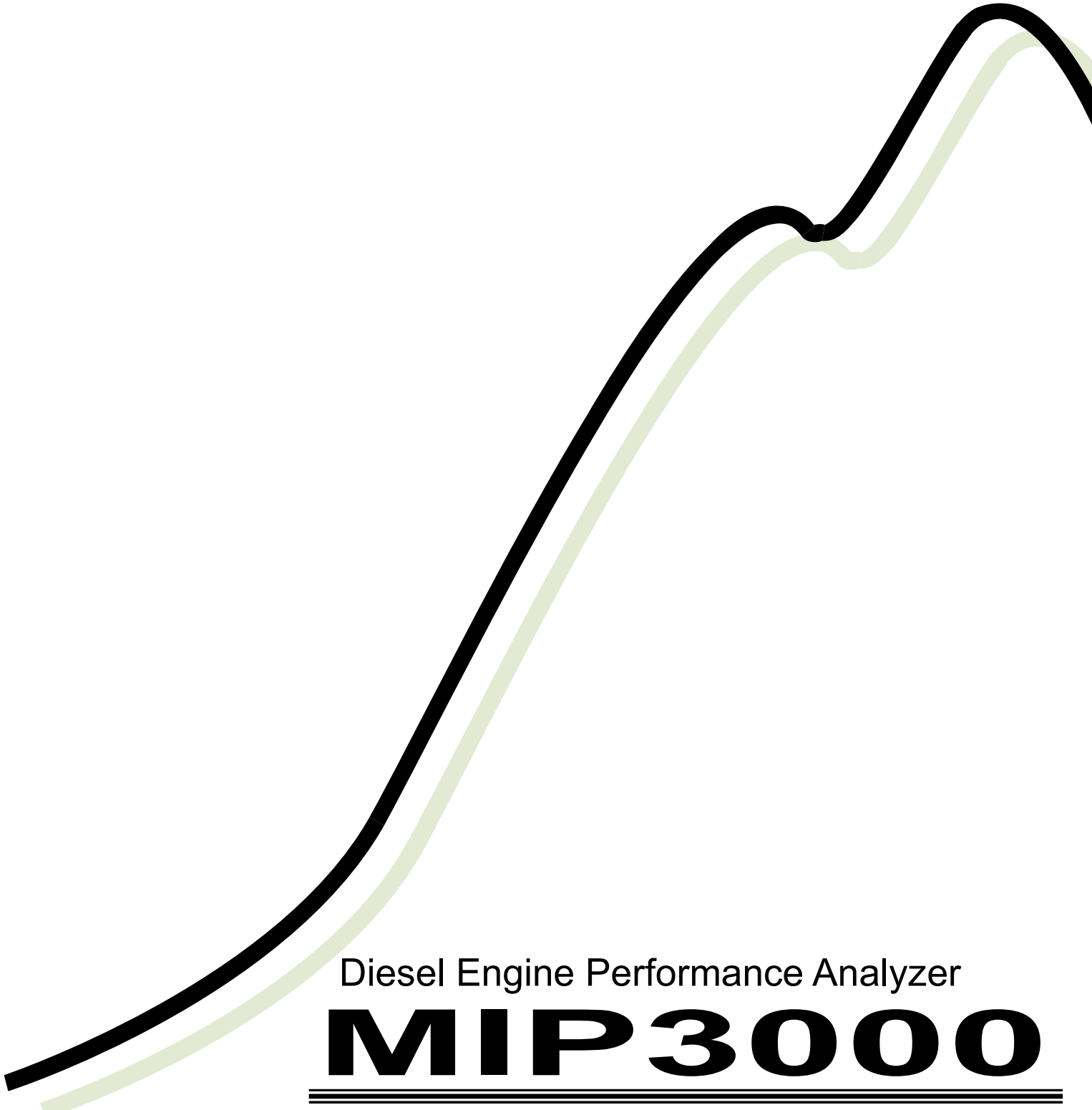
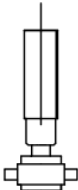
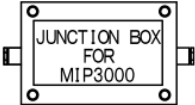
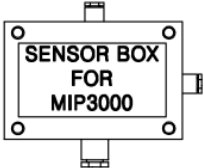


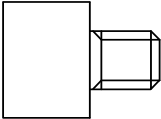
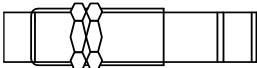
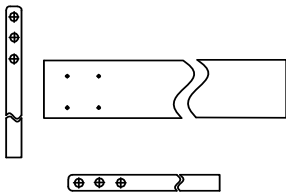
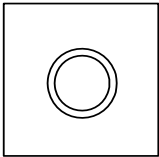
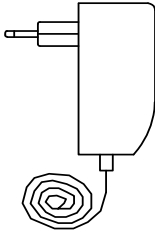


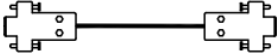
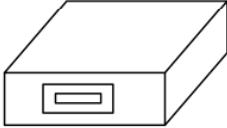
Diesel Engine Performance Analyzer

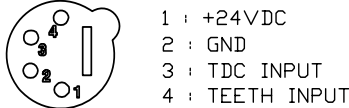
MIP3000

DRAWING

INSTALLATION PARTS			U S E			
MIP SYSTEM						
ITEM NO.	NAME OF PART	OUTLINE	QUANTITY		REMARKS	
			WORKING	SPARE	DWG NO.	TYPE
1	MIP3000		1		MIP-1001	
2	SENSOR TOOL		1		MIP-1002	
3	COMBUSTION SENSOR / ADAPTOR		1		MIP-1003	
4	JUNCTION BOX		1		MIP-1005	
5	SENSOR BOX		1		MIP-1006	
MFR'NAME		MEIYO ELECTRIC CO.,LTD	DRAWING NO.		MIP-3000	
PLEASE INFORM US ITEM NO.,NAME OF PART,DRAWING NO. AND QUANTITY ORDERING SPARE PARTS			MFR'S O/#			

INSTALLATION PARTS			U S E			
MIP SYSTEM						
ITEM NO.	NAME OF PART	OUTLINE	QUANTITY		REMARKS	
			WORKING	SPARE	DWG NO.	TYPE
6	TDC PIN		1			
7	TDC&TEETH SENSOR		2		MIP-1008	
8	BRACKET SET (TDC&TEETH)		1		MIP-1009	
9	PROGRAM CD		1			
10	BATTERY CHARGER		1			
MFR'NAME		MEIYO ELECTRIC CO.,LTD	DRAWING NO.		MIP-3001	
PLEASE INFORM US ITEM NO.,NAME OF PART,DRAWING NO. AND QUANTITY ORDERING SPARE PARTS			MFR'S O/#			

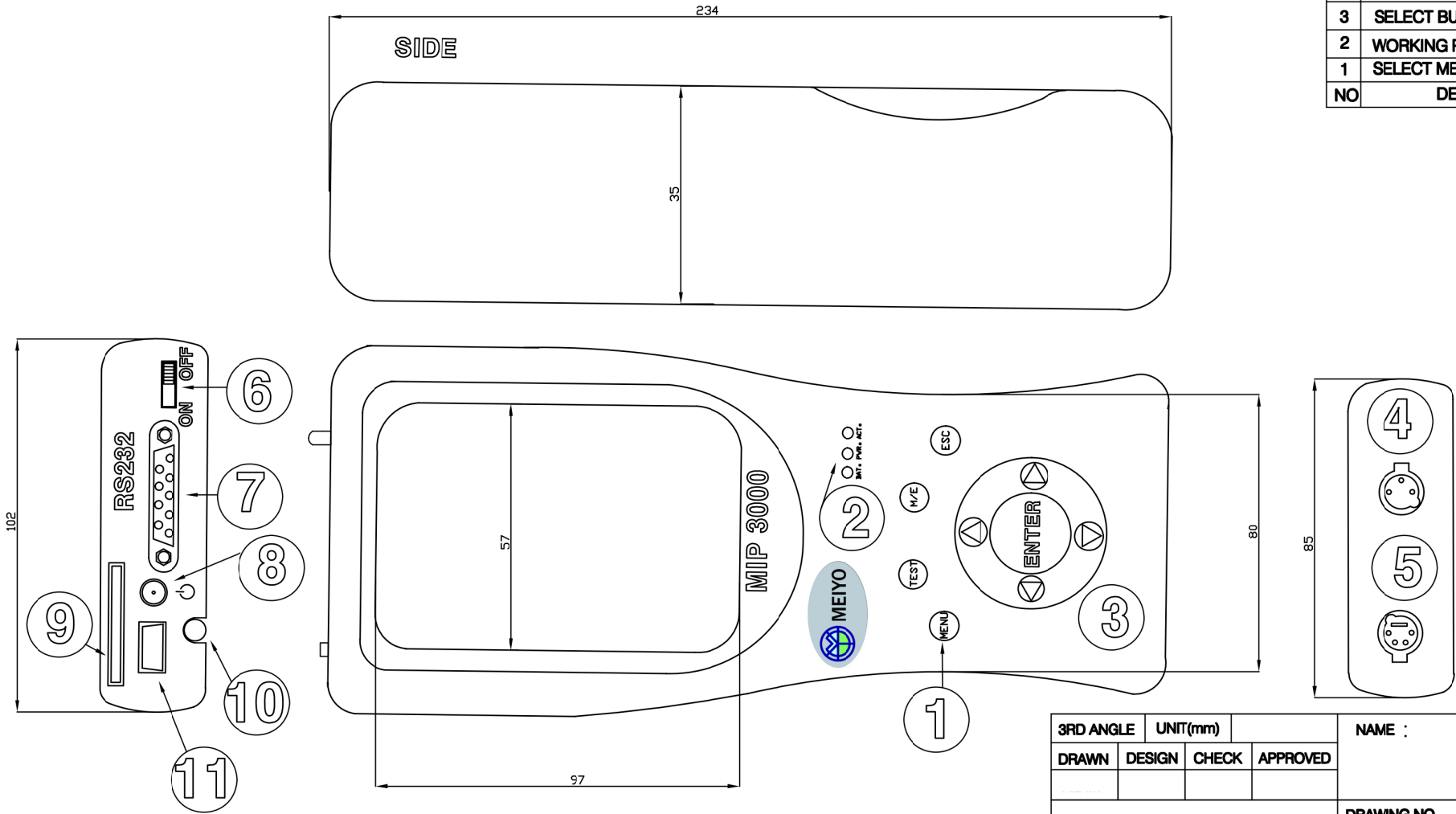
INSTALLATION PARTS			U S E			
MIP SYSTEM						
ITEM NO.	NAME OF PART	OUTLINE	QUANTITY		REMARKS	
			WORKING	SPARE	DWG NO.	TYPE
11	SERIAL CABLE		1			
12	MIP3000 CASE		1			
13	SIGNAL LINE CORD(A)		20M			
14	SIGNAL LINE CORD(B)		50M			
MFR'NAME		MEIYO ELECTRIC CO.,LTD	DRAWING NO.		MIP-3002	
PLEASE INFORM US ITEM NO.,NAME OF PART,DRAWING NO. AND QUANTITY ORDERING SPARE PARTS			MFR'S O/#			



8	MIP-1009	BRACKET	STEEL	1	
7	MIP-1008	TEETH SENSOR Φ 18 x 76		1	
6	MIP-1008	TDC SENSOR Φ 18 x 76		1	
5		TDC PIN	STEEL	1	
4	MIP-1006	SENSOR BOX 110 x 80 x 65	PLASTIC	1	
3	MIP-1005	JUNCTION BOX	PLASTIC	1	
2					
1	MIP-1001	MIP3000		1	
	MIP-1000	SYSTEM CONFIGURATION			
NO	DRAWING NO	NAME	MATERIAL	Q'TY	REMARK
3RD ANGLE	UNIT(mm)				
DRAWN	DESIGN	CHECK	APPROVED		
MEIYO ELECTRIC CO.,LTD			DRAWING NO MIP-1000		

- * WEIGHT : 0.4KG
- * MONITOR COLOR : 272 X 480 PIXEL

11	CARD READER (NOT USE)
10	TOUCH PEN
9	SD MEMORY CARD
8	BATTERY CHARGER PORT
7	RS232 SERIAL PORT
6	ON/OFF POWER SWITCH
5	TDC/TEETH SOCKET
4	COMBUTION SENSOR SOCKET
3	SELECT BUTTON
2	WORKING POWER STATUS LAMP
1	SELECT MENU
NO	DESCRIPTION

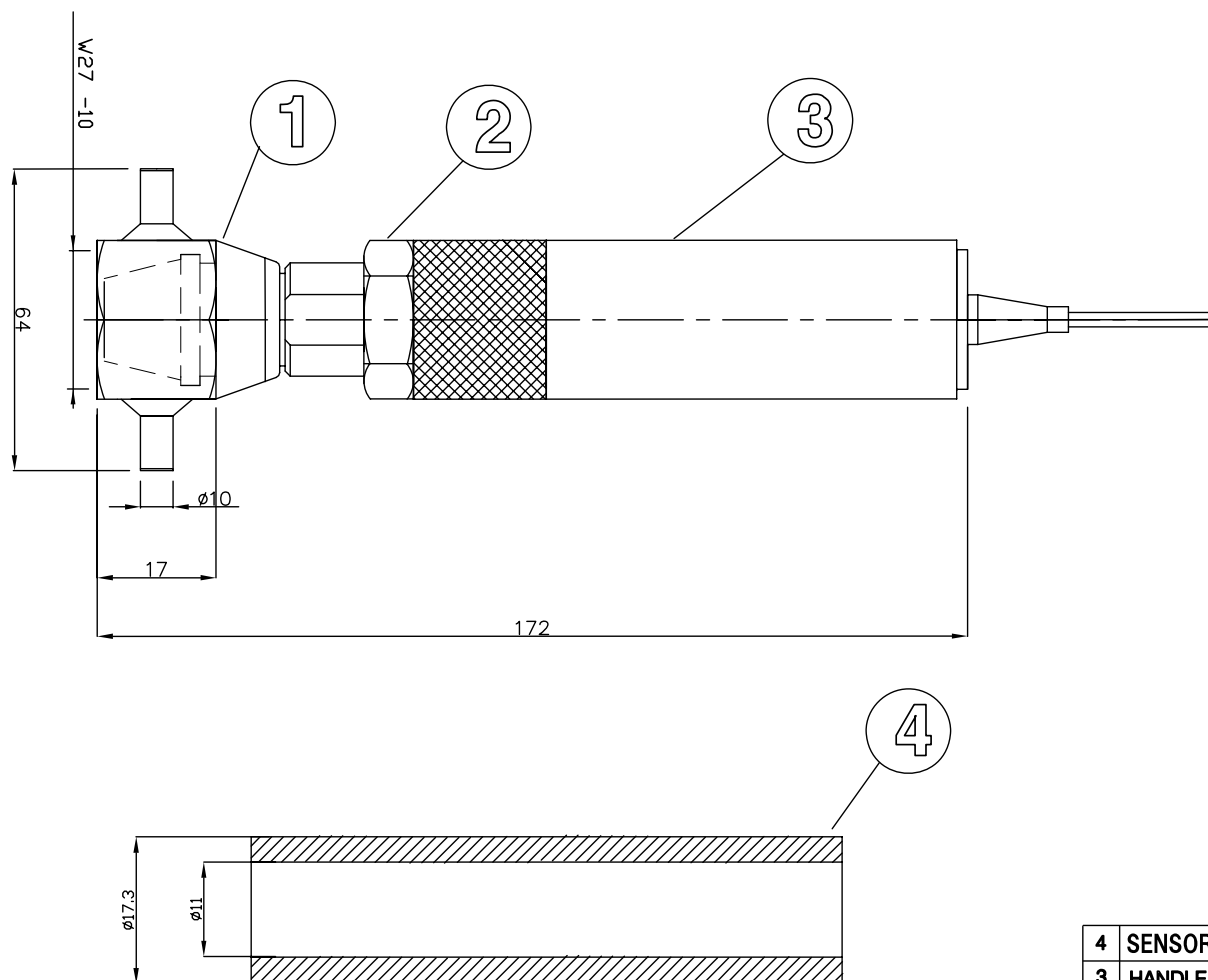


3RD ANGLE	UNIT(mm)		
DRAWN	DESIGN	CHECK	APPROVED

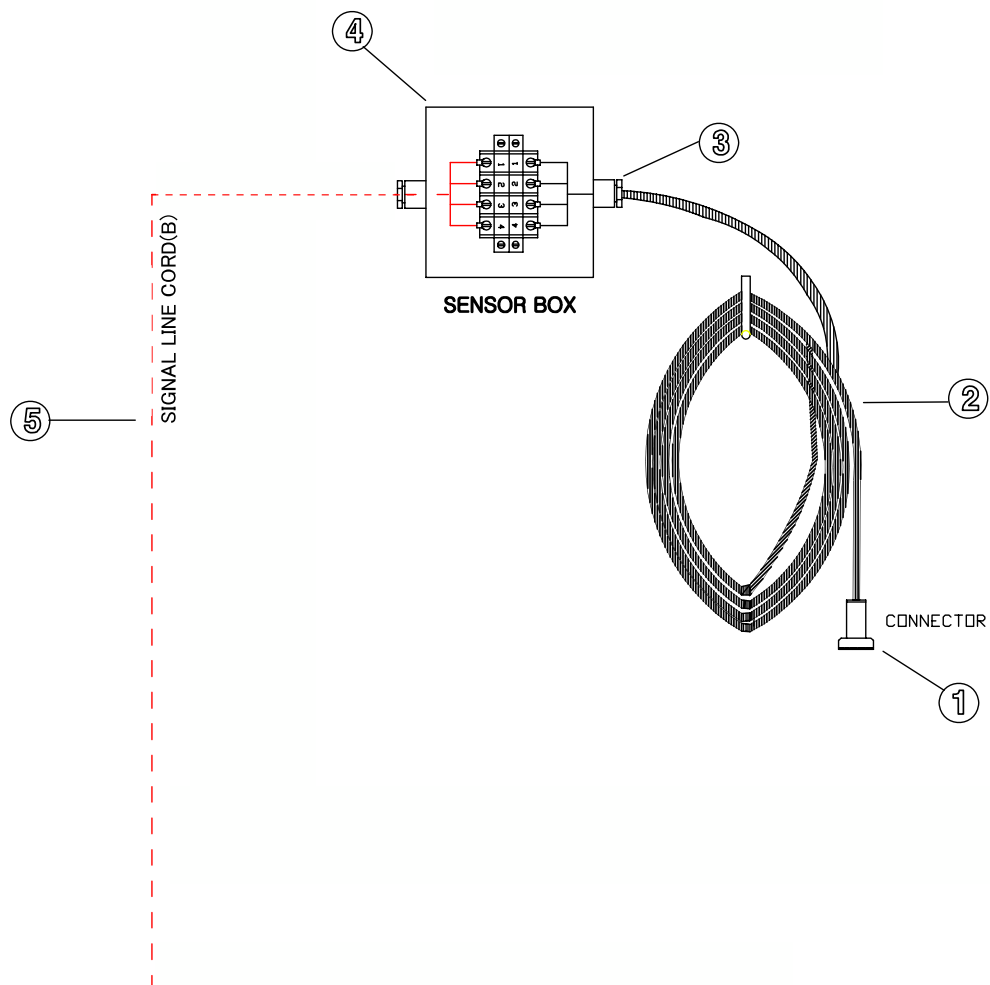
MEIYO ELECTRIC CO.,LTD

NAME :
MIP3000

DRAWING NO
MIP-1001

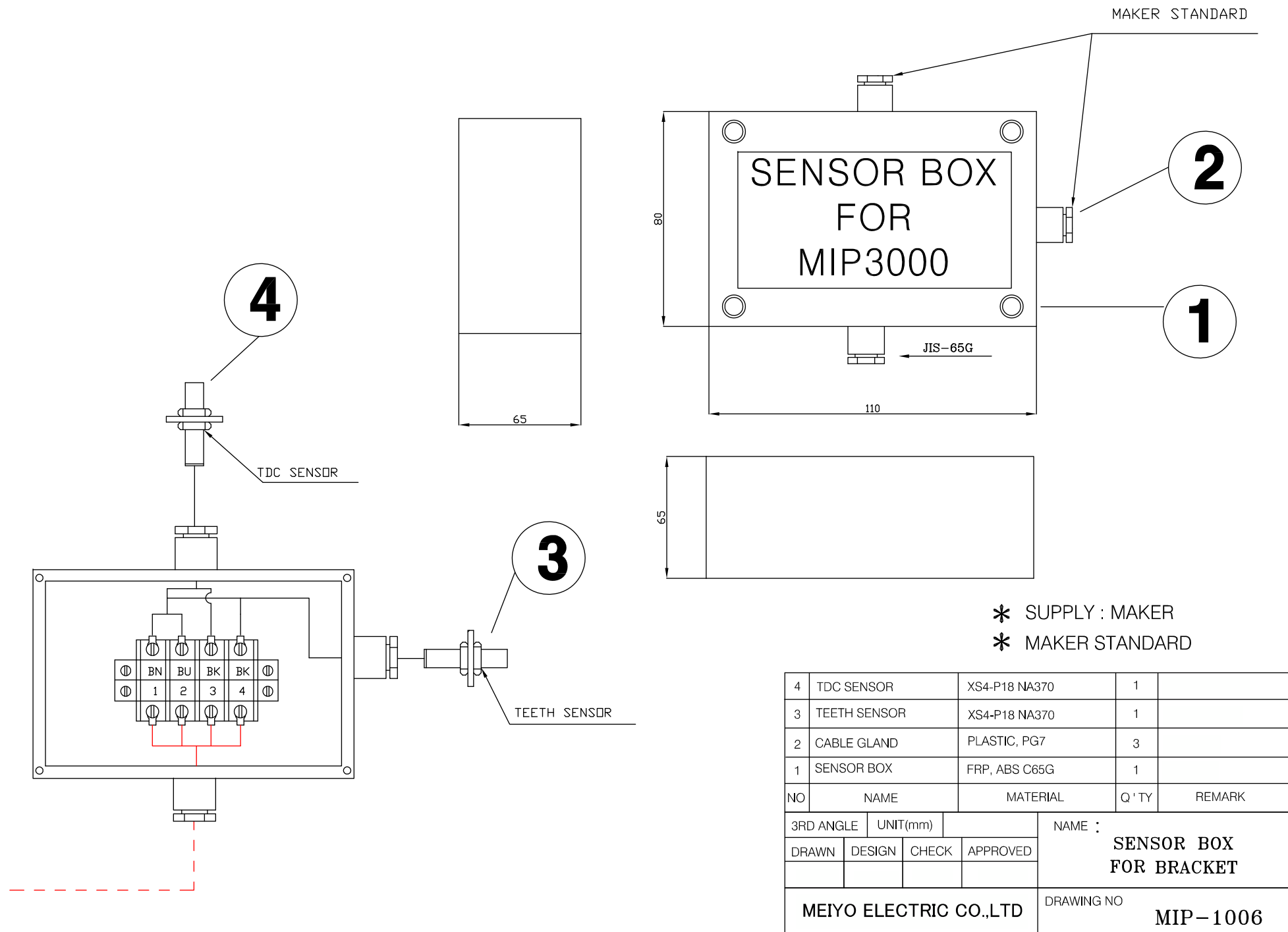


4	SENSOR TOOL	SUS304	1	SIN IL ACE
3	HANDLE	SUS304 & RUBBER	1	SIN IL ACE
2	CONNECTOR	STEEL	1	SIN IL ACE
1	ADAPTER HEAD	SUS 304	1	SIN IL ACE
NO	NAME	MATERIAL	QTY	MAKER
3RD ANGLE	UNIT(mm)	NAME : ADAPTOR FOR COMBUSTION SENSOR		
DESIGN	CHECK			
MEIYO ELECTRIC CO.,LTD		DRAWING NO MIP-1002		



- * SUPPLY : MAKER
- * PORTABLE CABLE : 20M

5	SIGNAL CABLE	4CX0.25	50 M	
4	SENSOR BOX	ABS C65G	2 PC	
3	CABLE GLAND	PG7	2 PC	
2	SIGNAL CABLE	4CX0.25	20M	
1	SIGNAL CONNECTOR	PLASTIC	1 PC	
NO	NAME	MATERIAL	QTY	MAKER
3RD ANGLE	UNIT(mm)	NAME :		
DRAWN	DESIGN	CHECK	APPROVED	JUNCTION BOX CONNECTION DIAGRAM
MEIYO ELECTRIC CO.,LTD			DRAWING NO	MIP-1005



MAKER STANDARD

SENSOR BOX
FOR
MIP3000

JIS-65G

4

TDC SENSOR

65

3

TEETH SENSOR

2

1

80

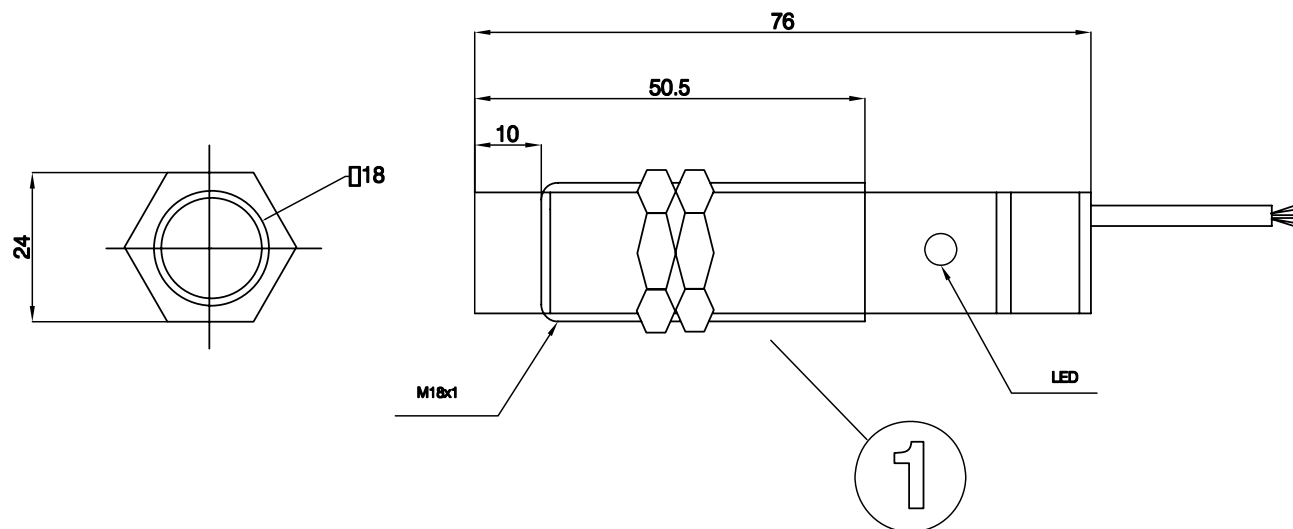
110

65

* SUPPLY : MAKER
* MAKER STANDARD

4	TDC SENSOR	XS4-P18 NA370	1	
3	TEETH SENSOR	XS4-P18 NA370	1	
2	CABLE GLAND	PLASTIC, PG7	3	
1	SENSOR BOX	FRP, ABS C65G	1	
NO	NAME	MATERIAL	Q'TY	REMARK

3RD ANGLE		UNIT(mm)				NAME : SENSOR BOX FOR BRACKET
DRAWN	DESIGN	CHECK	APPROVED			
MEIYO ELECTRIC CO.,LTD						DRAWING NO MIP-1006

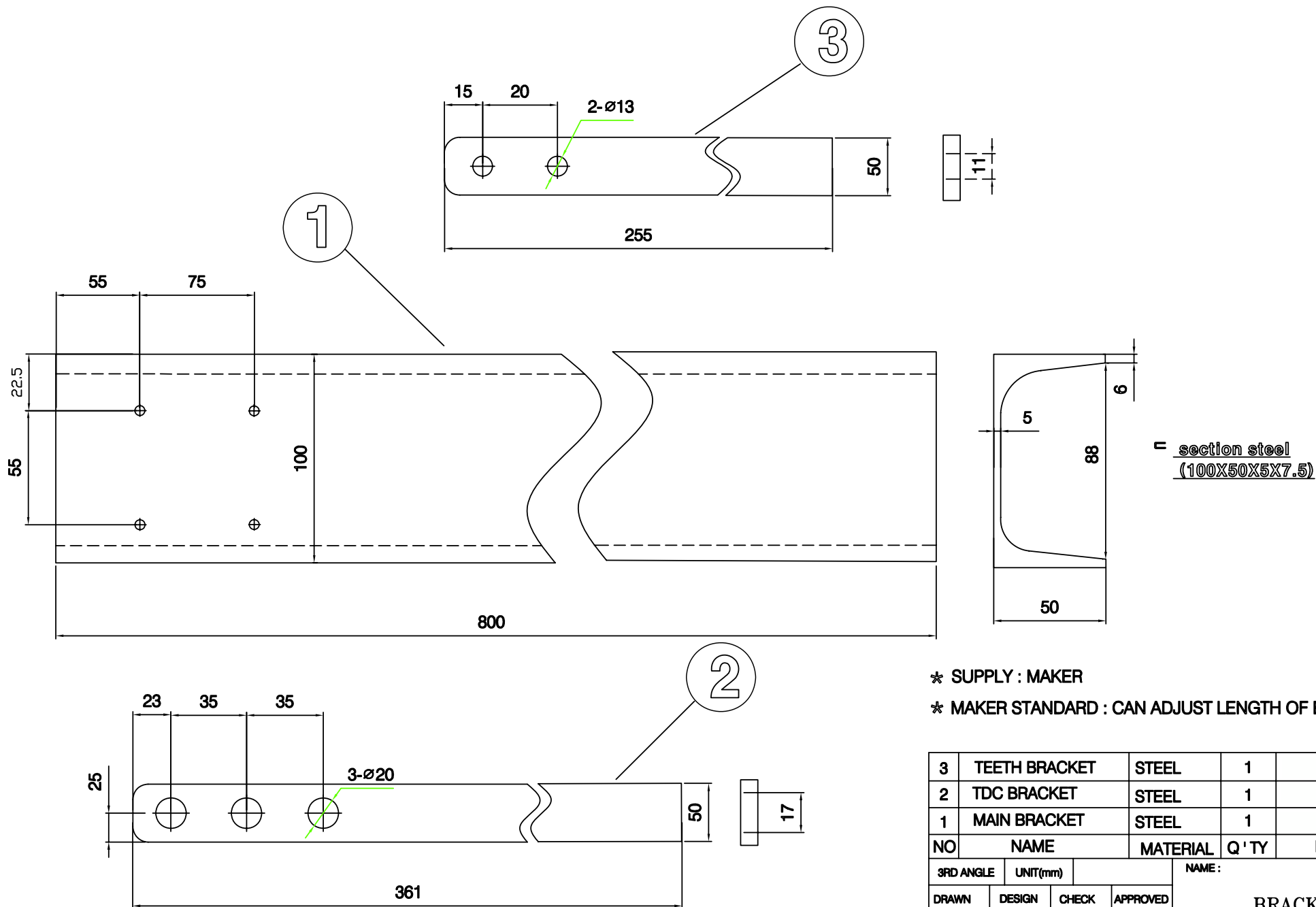


TDC & TEETH SENSOR

* SUPPLY : MAKER
* MAKER STANDARD

* BROWN : +24VDC
* BLUE : GND
* BLACK : OUTPUT SIGNAL
* IP : 66

1	TDC & TEETH SENSOR	PRL18-8DN	2	AUTONICS
NO	NAME	MATERIAL	Q'TY	REMARK
3RD ANGLE	UNIT(mm)	NAME :		
DRAWN	DESIGN	CHECK	APPROVED	TDC & TEETH SENSOR
MEIYO ELECTRIC CO.,LTD		DRAWING NO MIP-1008		

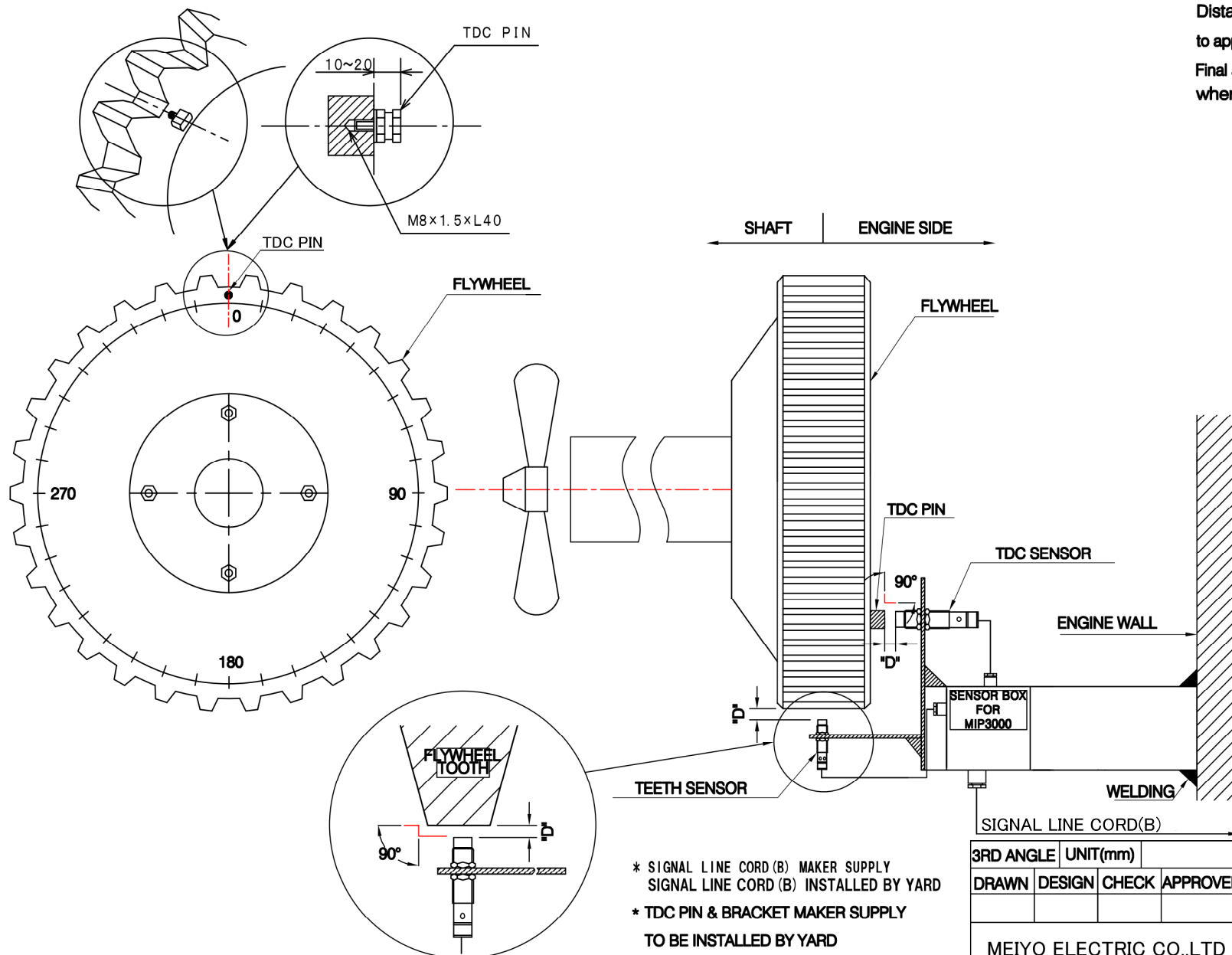


* SUPPLY : MAKER

* MAKER STANDARD : CAN ADJUST LENGTH OF BRACKET

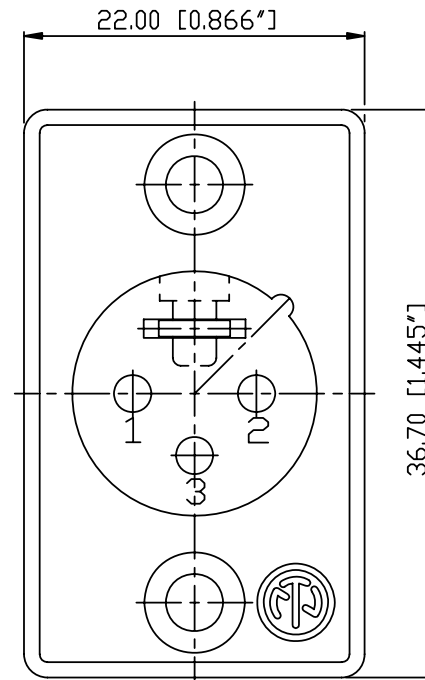
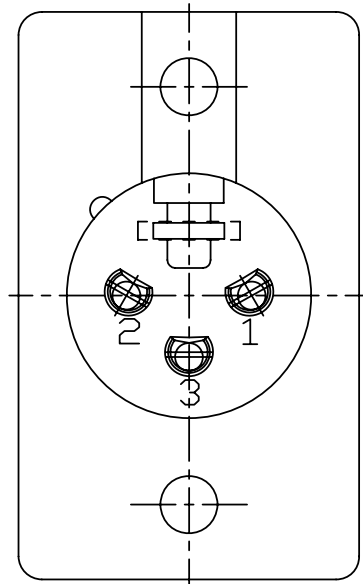
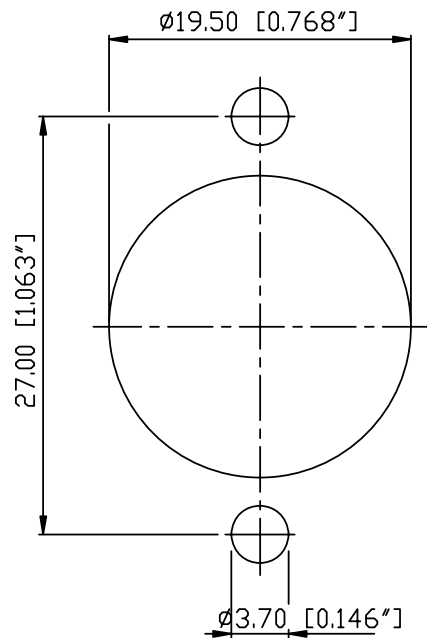
3	TEETH BRACKET	STEEL	1	
2	TDC BRACKET	STEEL	1	
1	MAIN BRACKET	STEEL	1	
NO	NAME	MATERIAL	Q ' TY	REMARK
3RD ANGLE	UNIT(mm)	NAME :		
DRAWN	DESIGN	CHECK	APPROVED	BRACKET
MEIYO ELECTRIC CO.,LTD			DRAWING NO.	MIP-1009

Distance "D" can be preadjusted
to appr. 2~3mm
Final adjustment must be done
when the engine is not running

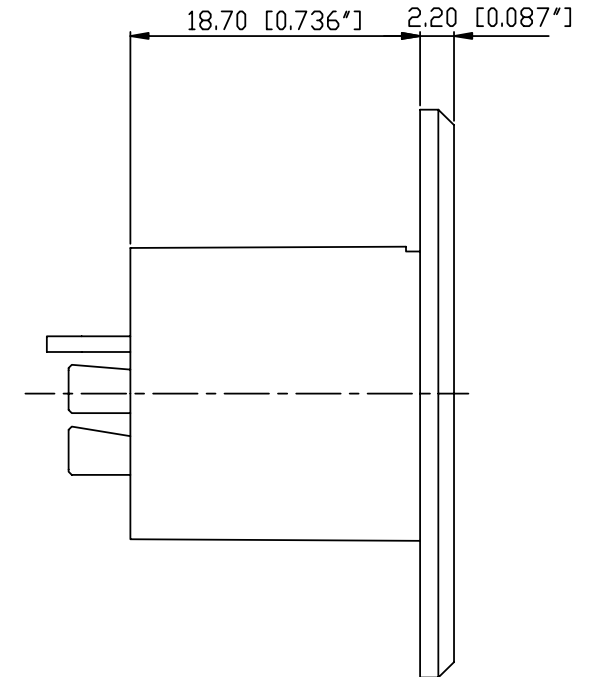


- * SIGNAL LINE CORD (B) MAKER SUPPLY
SIGNAL LINE CORD (B) INSTALLED BY YARD
- * TDC PIN & BRACKET MAKER SUPPLY
TO BE INSTALLED BY YARD

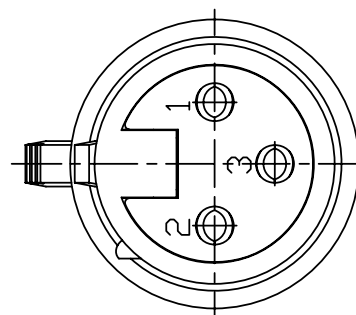
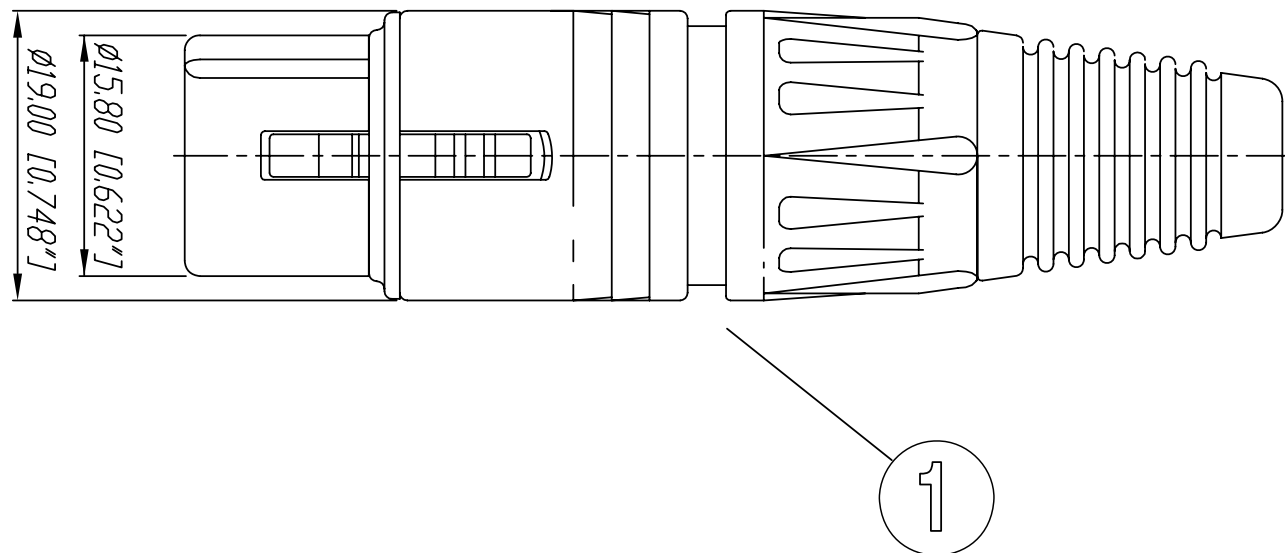
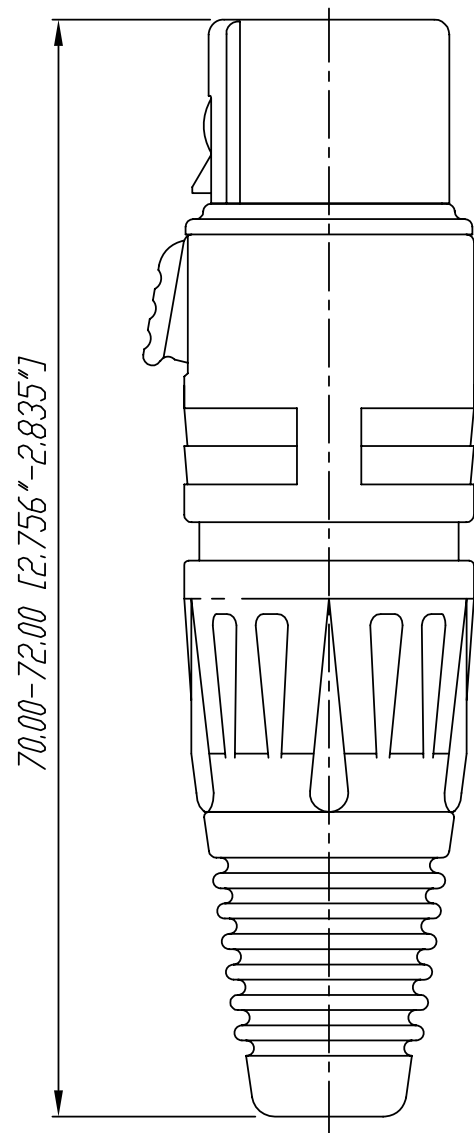
3RD ANGLE	UNIT(mm)			NAME :
DRAWN	DESIGN	CHECK	APPROVED	BRACKET INSTALLATION
MEIYO ELECTRIC CO.,LTD				DRAWING NO
				MIP-1010



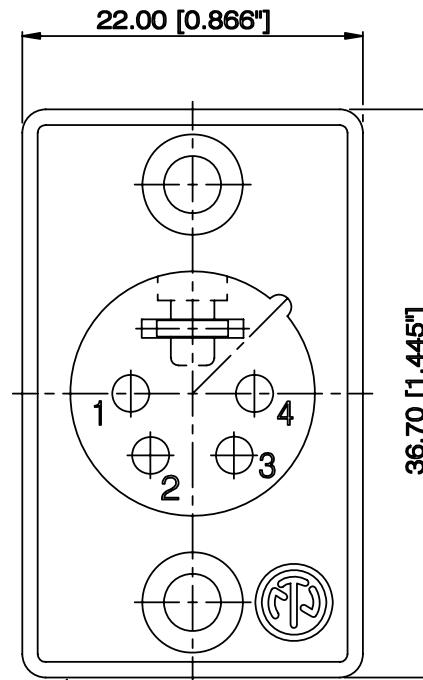
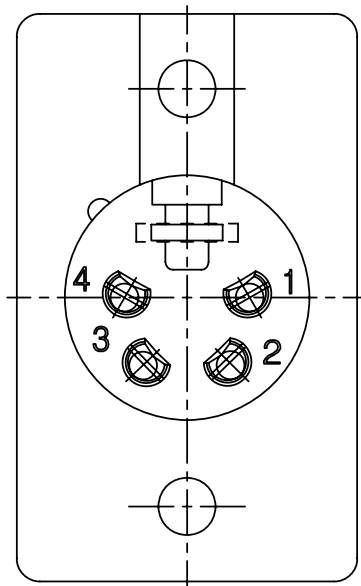
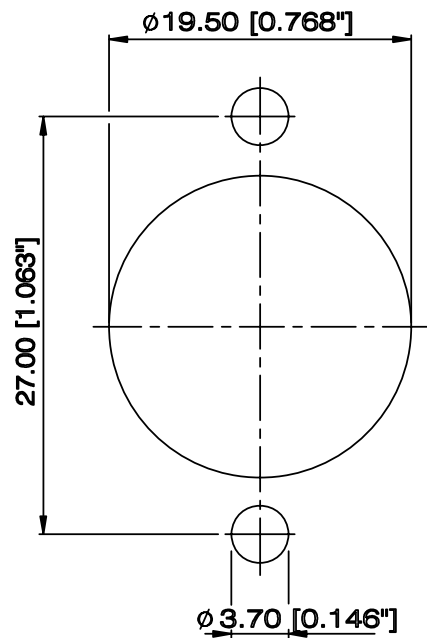
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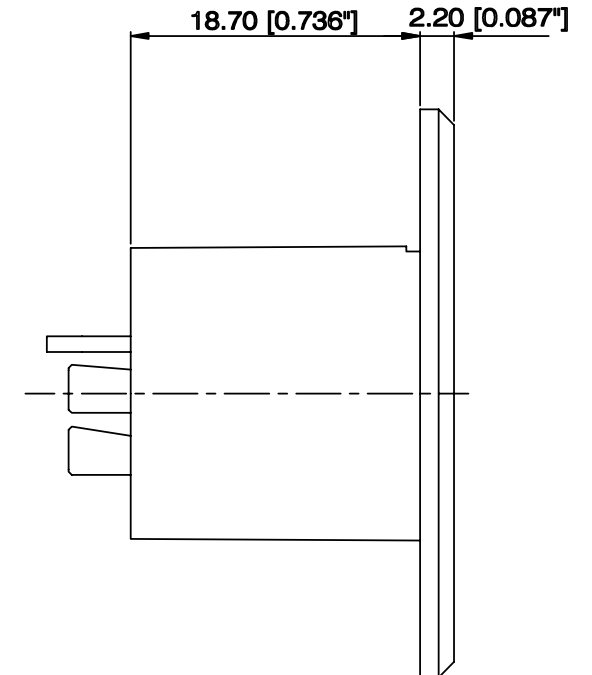
1	SOCKET FOR COMBUTION SENSOR			STEEL	1	
NO	NAME			MATERIAL	Q'TY	REMARK
3RD ANGLE		UNIT(mm)		NAME : SOCKET FOR COMBUTION SENSOR		
DRAWN	DESIGN	CHECK	APPROVED			
MEIYO ELECTRIC CO.,LTD				DRAWING NO MIP-1011		



1	CONNECTOR FOR COMBUTION SENSOR			PLASTIC	1	
NO	NAME			MATERIAL	Q'TY	REMARK
3RD ANGLE		UNIT(mm)		NAME : CONNECTOR FOR COMBUTION SENSOR		
DRAWN	DESIGN	CHECK	APPROVED			
				DRAWING NO MIP-1012		
MEIYO ELECTRIC CO.,LTD						

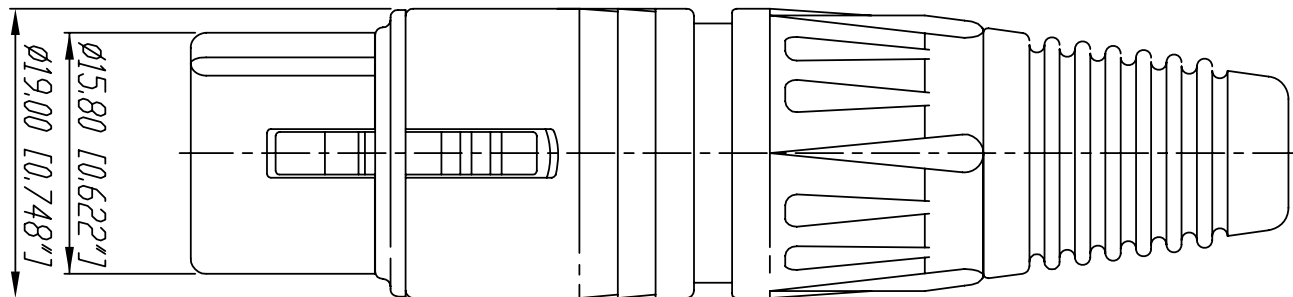
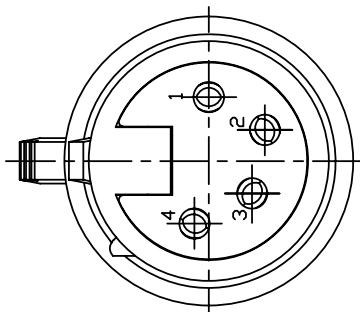
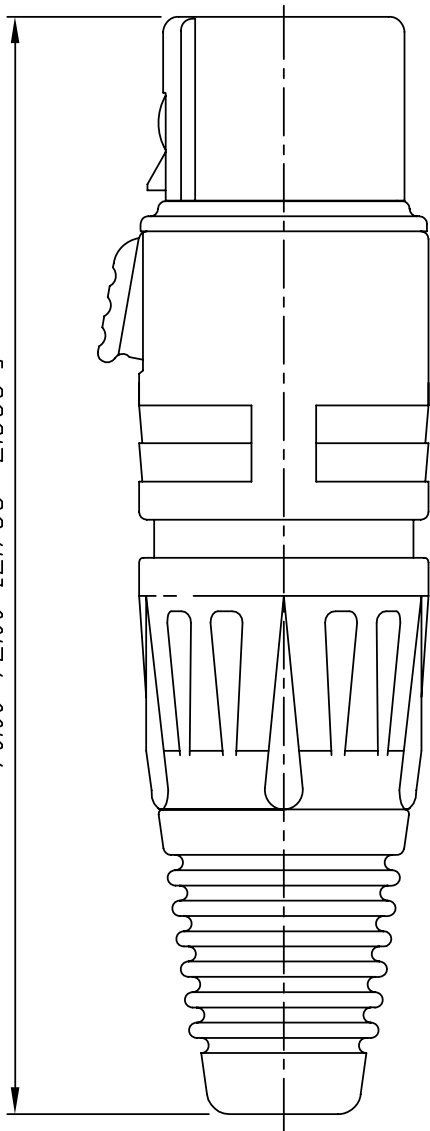


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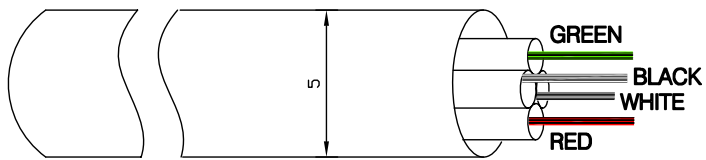
1	SOCKET FOR TDC&TEETH SENSOR			STEEL	1	
NO	NAME			MATERIAL	Q'TY	REMARK
3RD ANGLE		UNIT(mm)		NAME : SOCKET FOR TDC&TEETH SENSOR		
DRAWN	DESIGN	CHECK	APPROVED			
				DRAWING NO MIP-1013		
MEIYO ELECTRIC CO.,LTD						

70.00-72.00 [2.756"-2.835"]

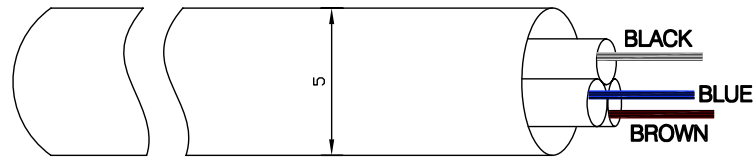
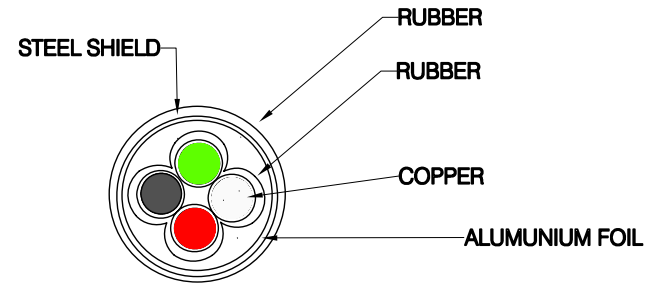


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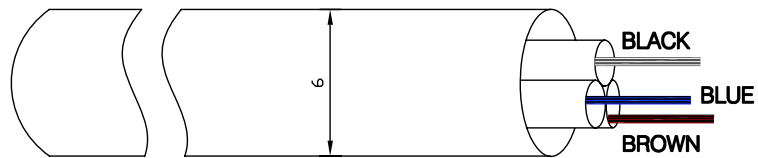
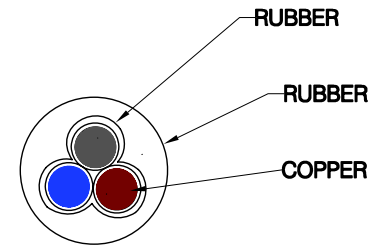
1	CONNECTOR FOR TDC & TEETH SENSOR			PLASTIC	1	
NO	NAME			MATERIAL	Q'TY	REMARK
3RD ANGLE		UNIT(mm)		NAME : CONNECTOR FOR TDC&TEETH SENSOR		
DRAWN	DESIGN	CHECK	APPROVED			
				DRAWING NO		
MEIYO ELECTRIC CO.,LTD				MIP-1014		



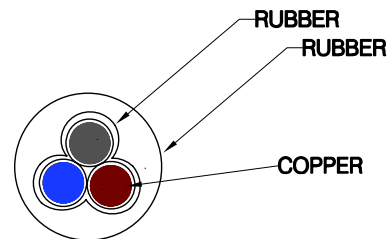
① SIGNAL LINE FOR TDC/TEETH SENSOR



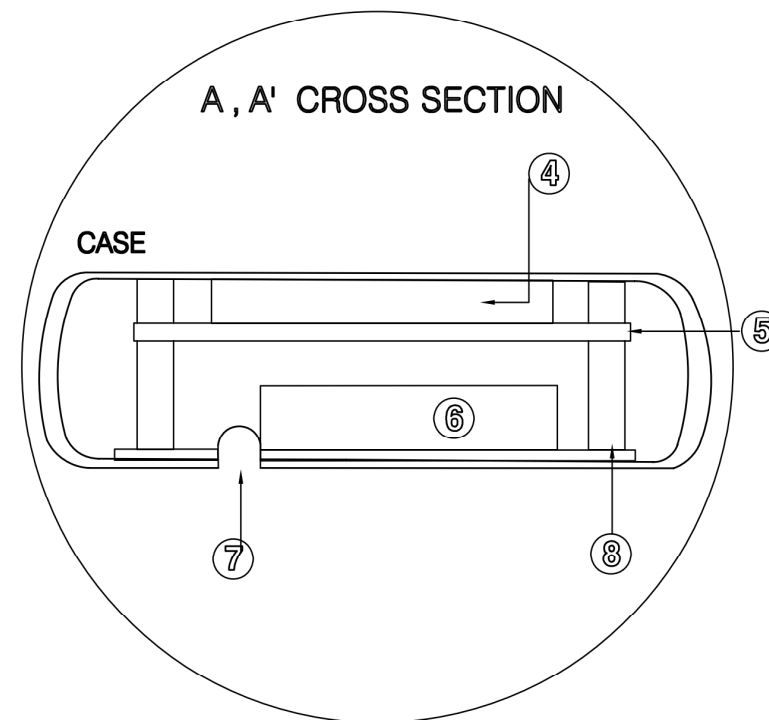
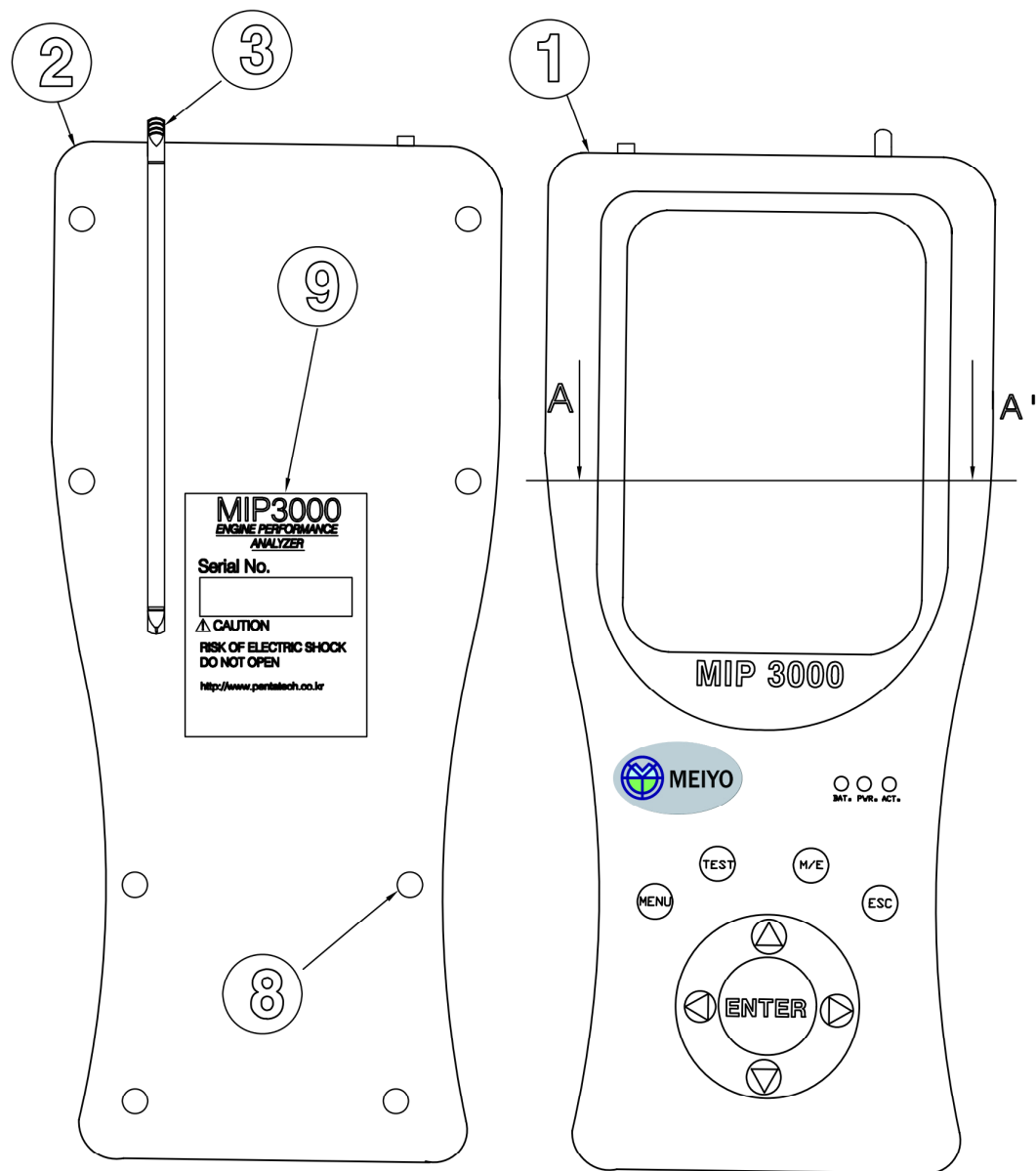
② PROXIMITY SENSOR LINE



③ SENSOR LINE FOR COMBUTION SENSOR



3	SENSOR LINE	3P X 0.25	1	WITH COMBUSTION SENSOR
2	SENSOR LINE	3P X 0.25	2	TDC&TEETH
1	SIGNAL LINE	4P X 0.25	1	CORD(A)&(B)
NO	NAME	MATERIAL	Q' TY	REMARK
3RD ANGLE		UNIT(mm)	NAME :	
DRAWN	DESIGN	CHECK	APPROVED	SIGNAL LINE SPEC.
MEIYO ELECTRIC CO.,LTD			DRAWING NO	
			MIP-1015	



9	LABEL	VINYL	1	60 x 40 mm
8	FIXING BOLT	STEEL	1	Ø3
7	TOUCH PEN SLOT	PLASTIC	1	119 x R7 mm
6	BATTERY	LITHIUM - POLYMER	1	90 x 41 x 7 mm
5	MAIN BOARD	PCB	1	139 x 88 x 2 mm
4	TOUCH SCREEN (LCD)	LCD	1	105 x 65 x 4 mm
3	TOUCH PEN	PLASTIC & STEEL	1	123 x Ø5 mm
2	CASE LOWER	PLASTIC	1	
1	CASE UPPER	PLASTIC	1	
NO	NAME	MATERIAL	Q'TY	REMARK
3RD ANGLE		UNIT(mm)	NAME :	
DRAWN	DESIGN	CHECK	APPROVED	MIP3000 INTERNAL & EXTERNAL
MEIYO ELECTRIC CO.,LTD			DRAWING NO	MIP-1016