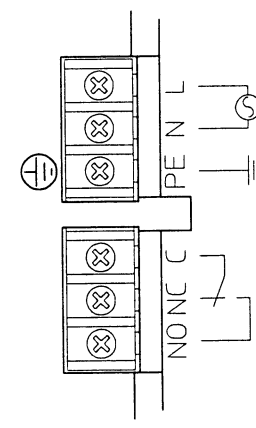


Cable inlet : 2-G1/2
 Gasket material for electrode : FKM

11	Detection Electrode	1	316 stainless steel
10	Insulator	1	PTFE
9	Earth electrode	1	316 stainless steel
8	Mounting plug	1	316 stainless steel
7	Lock screw	1	Stainless steel (M4)
6	Housing	1	Aluminium die casting (ADC12):Epoxy coating
5	Tanper-proof bolt	1	Hex. socket bolt (M4)
4	Cover	1	Aluminium die casting (ADC12):Epoxy coating
3	Plastic plug	1	PP
2	Metal Plug	1	Stainless steel
1	Gasket	1	NBR
P.No.	Name	Qty.	Material

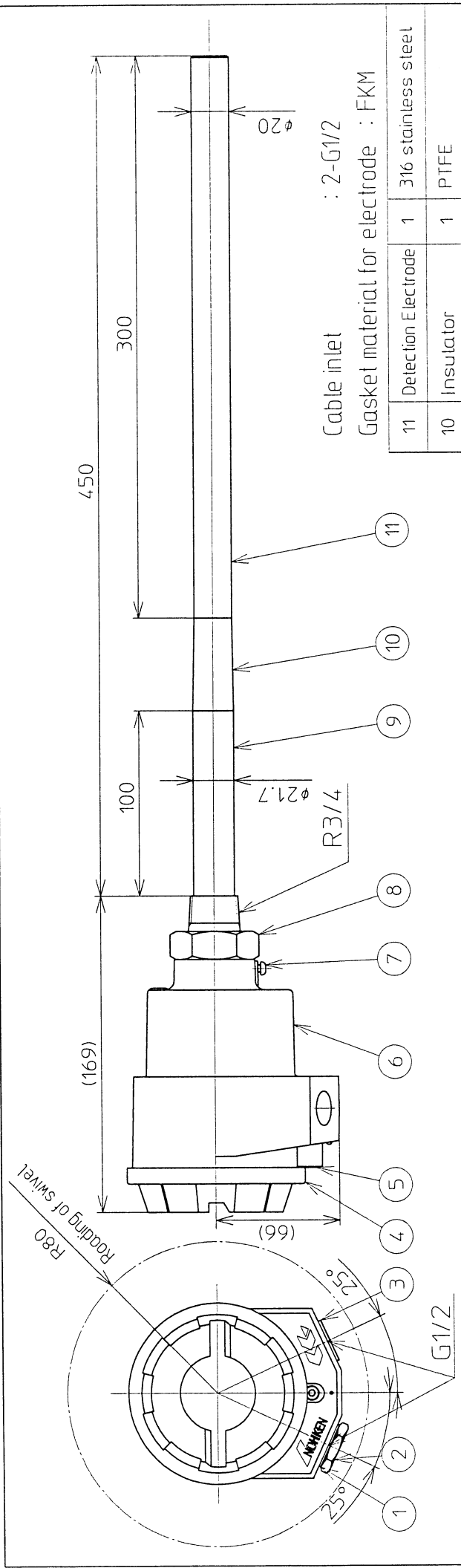
Wiring



Contact rating
 250V 3A AC
 (Resistive load)

Power supply
 100 - 240V AC
 50/60 Hz

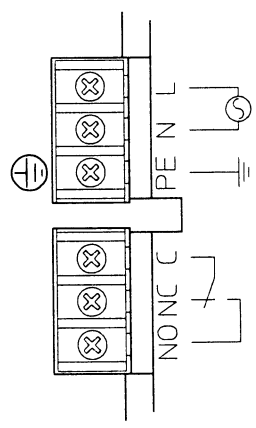
△				DATE 06-09-'00	DR. BY <i>h. i. ita</i>	TITLE OUTLINE DRAWING FOR
△				SCALE N.T.S.	CH. BY <i>M. S. I.</i>	CAPACITIVE PHASE LEVEL SENSOR
△				UNITS MILLIMETERS	APP. BY <i>h. i. ita</i>	MODEL CG2N
REV	DATE	DESCRIPTION	BY	APP. BY	DRAWING NO. SA901842 △	
		REVISIONS				



Cable inlet : 2-G1/2
 Gasket material for electrode : FKM

P.No.	Name	Qty.	Material
11	Detection Electrode	1	316 stainless steel
10	Insulator	1	PTFE
9	Earth electrode	1	316 stainless steel
8	Mounting plug	1	316 stainless steel
7	Lock screw	1	Stainless steel (M4)
6	Housing	1	Aluminium die casting (ADC12):Epoxy coating
5	Tapper-proof bolt	1	Hex. socket bolt (M4)
4	Cover	1	Aluminium die casting (ADC12):Epoxy coating
3	Plastic plug	1	PP
2	Metal Plug	1	Stainless steel
1	Gasket	1	NBR

Wiring



Contact rating
 250V 3A AC
 (Resistive load)

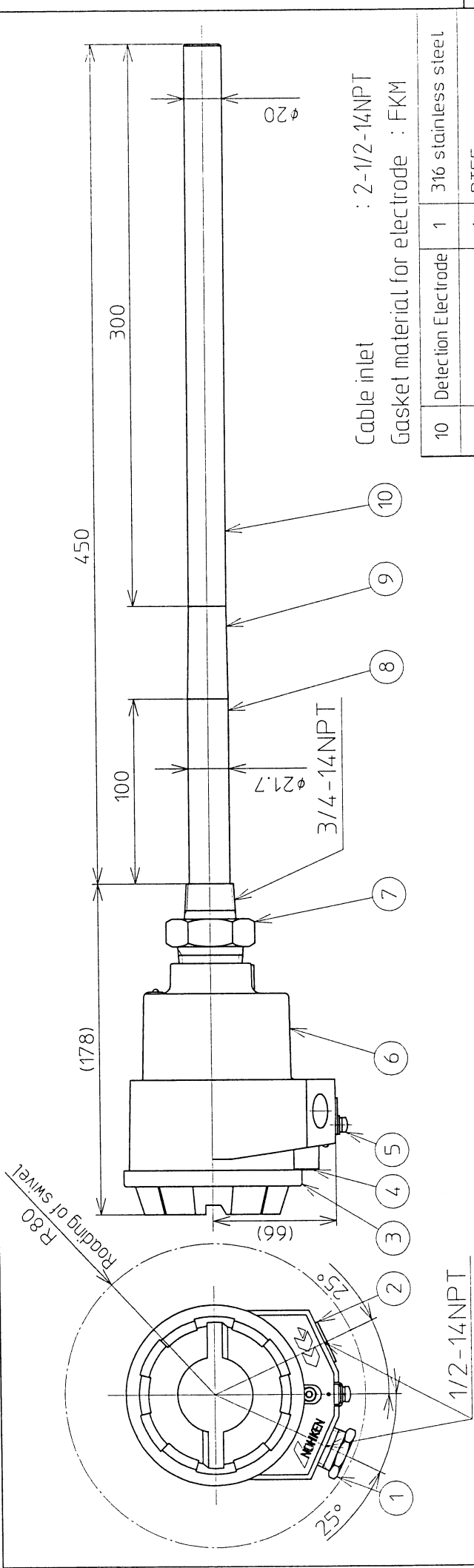
Power supply
 100 - 240V AC
 50/60 Hz

REV	DATE	DESCRIPTION	BY	APP. BY

DATE	06-09-'00	DR. BY	<i>W. I. Ito</i>
SCALE	N.T.S.	CH. BY	<i>W. I. Ito</i>
UNITS	MILLIMETERS	APP. BY	<i>W. I. Ito</i>

TITLE		OUTLINE DRAWING FOR
MODEL		CG2N
DRAWING NO.		SA901843

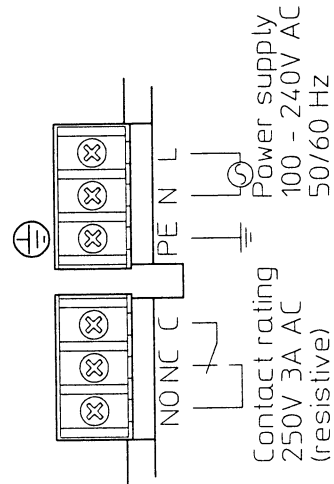
NOHKEN		NOHKEN INC
		OSAKA, JAPAN



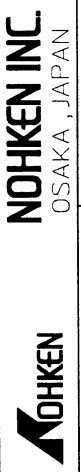
Cable inlet : 2-1/2-14NPT
 Gasket material for electrode : FKM

10	Detection Electrode	1	316 stainless steel
9	Insulator	1	PTFE
8	Earth electrode	1	316 stainless steel
7	Mounting plug	1	316 stainless steel
6	Housing	1	Aluminium die casting (ADC12) : Epoxy coating
5	External ground screw	1	Stainless steel (M4)
4	Tanper-proof bolt	1	Hex. socket bolt (M4)
3	Cover	1	Aluminium die casting (ADC12) : Epoxy coating
2	Plastic plug	1	PP
1	Metal Plug	1	Stainless steel
P.No.	Name	Qty.	Material

Wiring



△	DATE	06-09-'00	DR. BY	<i>Y. Kato</i>	TITLE	OUTLINE DRAWING FOR
△	SCALE	N.T.S.	CH. BY	<i>Y. Kato</i>	CAPACITIVE PHASE LEVEL SENSOR	
△	UNITS	MILLIMETERS	APP. BY	<i>Y. Kato</i>	MODEL	CG2N
REV	DATE	DESCRIPTION	BY	APP. BY	DRAWING NO.	SA 901844 △
		REVISIONS				



S P E C I F I C A T I O N S

1. NAME : CAPACITIVE PHASE LEVEL SENSOR
2. MODEL : CG 2 N
3. MEASURING OBJECT : Powder , Liquid
4. OPERATION CHARACTERISTICS
- 4.1 Sensitivity : Dielectric constant 1.2 Min.
Capacitance between electrode 1.0 pF Min.
(Only Resistance between electrode 10 kΩ Min.)
(L=250mm)
- 4.2 Output signal : Relay contact (1 SPDT)
5. ELECTRICAL CHARACTERISTICS
- 5.1 Power supply : 100 to 240 V AC ±10% 50/60 Hz
- 5.2 Power consumption : Approx. 5 VA
- 5.3 Contact rating : 250 V 3 A AC
(resistive load) 30 V 3 A DC
- 5.4 Withstand voltage : 1500 V AC one minute
Between housing (or "PE" terminal) and each terminal.
- 5.5 Insulation resistance : 500 V DC 100 MΩ Min.
Between housing (or "PE" terminal) and each terminal.
6. MECHANICAL CHARACTERISTICS
- 6.1 Withstand pressure : 1 MPa Max.
- 6.2 Vibration proof : 10 to 150 Hz , 19.6 m/s² (L=250mm)
(each X,Y,Z for 2 hours)
7. ENVIRONMENT
- 7.1 Working temperature : Electrode ; -25 to +85 ℃
Housing ; -25 to +65 ℃
- 7.2 Working humidity : 95 % RH Max.
8. CONSTRUCTION : Water-proof construction IP 67 at electrode
Jet-proof construction IP 65 at housing
9. PHYSICAL
- 9.1 Materials of housing : Aluminium die casting (Epoxy coating)
- insulator : PTFE
- electrode : 316 stainless steel
- 9.2 Mounting : Plug mounting (3/4-14 NPT)
- 9.3 Cable inlet : 1/2-14 NPT

W A R R A N T Y

NOHKEN INC. products are warranted for a period of 1(one) year from date of original factory shipment, provided that handling, operation and maintenance of products shall be subjected to " NOHKEN's INSTRUCTION MANUAL ".

S P E C I F I C A T I O N S

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Housing ; -25 to +65 °C
- 7.2 Working humidity : 95 % RH Max.
8. CONSTRUCTION : Water-proof construction IP 67 at electrode
Jet-proof construction IP 65 at housing
9. PHYSICAL
- 9.1 Materials of housing : Aluminium die casting (Epoxy coating)
- insulator : PTFE
- electrode : 316 stainless steel
- 9.2 Mounting : Plug mounting (R3/4)
- 9.3 Cable inlet : G1/2

W A R R A N T Y

NOHKEN INC. products are warranted for a period of 1(one) year from date of original factory shipment, provided that handling, operation and maintenance of products shall be subjected to " NOHKEN's INSTRUCTION MANUAL ".