## **IEG-TC1 IEG-TC2**



### **ELECTROMAGNETIC LEVEL INDICATOR** WITH ONE CONTACT AND 1" GAS CONNECTION



#### USE:

Built to ensure the minimum or maximum level of liquids in tanks with maximum safety. Suitable for tanks containing liquids compatible with the brass tube, such as hydraulic or lubricating oils (provided their density does not exceed 220 cSt), petroleum, etc.

### **OPERATION:**

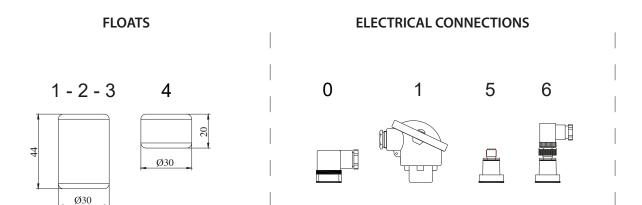
When the float of the indicator in its travel encounters the built-in Reed switch at the pre-established point, the contact, actived by the magnet housed in the float, opens or closes, thus obtaning the possibility of sending a luminous or acoustic signal or activating or interrupting any electrical equipment connected to it.

#### **ASSEMBLY:**

The indicator must be mounted in a vertical position, ensuring that the float is at least 35mm away from ferrous surfaces (walls, tanks, etc.).

Max Pressure: 10 Bar

## **DATA AND TECHNICAL ORDER**



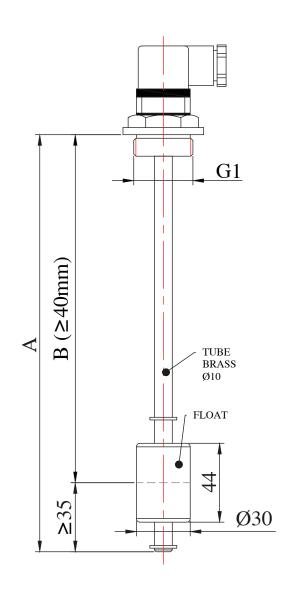
### **ELECTRICAL DATA**

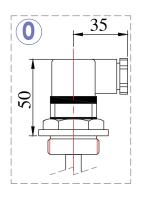
		ELECT	RICAL CHARACTER	ISTICS	
ELECTRICAL CONTACTS	DC SWITCHABLE POWER	AC SWITCHABLE POWER	AC CURRENT INTENSITY	SWITCHABLE VOLTAGE	SWITCHABLE VOLTAGE WITH M12
SPST	80 W	80 V.A.	1.3 A	250 VDC	60 VDC
3531	30 W	50 V.A.	1,3 A	250 VAC	60 VAC
SPDT	SPDT 60 W		1 A	230 VDC	60 VDC
SPDI	00 W	60 V.A.	1 A	230 VAC	60 VAC

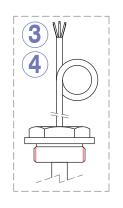
-	МО	DEL		LENGTH		CHECKPOINT								1.5	NGTH OF CABLE
	CONTACT	NUMBER OF	PROCESS	"A"	"B" EI		ELECTRICAL CONNECTION			FLOAT	OPERATING TEMPERATURE		(POTENTIAL)		
	TYPE	CHECKPOINTS	CONNECTION		QUOTE	NAT	URE								
						c	N.C. IN THE PRESENCE OF	0	CONNECTOR IP65	1	NYLON Ø30X44				
IEG-TC1	SPST					Ŭ	LIQUID (TC1)	1	6 POLES - ALUMINUM HEAD			S	-20+80°C		
IEG-TCI	3131							•	IP68			,	-20100 C		
		1	1" GAS ANODIZED	≥ <b>75</b> mm	≤ (A - 35)mm	0	N.O. IN THE PRESENCE OF	3	PVC CABLE -20°C+80°C	2	NBR Ø30X44			L=	WITH PVC OR
		-	ALUMINUM	_ / / / / / / / / / / / / / / / / / / /	_ (** 55)		LIQUID (TC1)	4	SILICONE CABLE -20°C+120°C	3	P.P. Ø30X44				SILICONE CABLE
IEG-TC2	SPDT							5	M12 CONNECTION			н	-20+120°C		
						S	EXCHANGE				NDD				
							(TC2)	6	M12 CONNECTION + CONNECTOR IP67	4	NBR Ø30X20				
	IEG-	TC1		75	40	(			3		1		S		L=1000

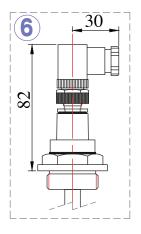
# IEG-TC1 IEG-TC2

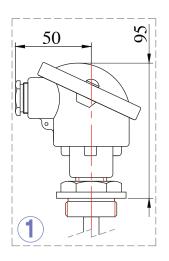
## **ELECTRICAL CONNECTIONS**







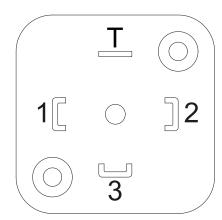






### **ELECTRICAL CONNECTION TABLE - TC1 & TC2**

Connector CE EN 175301-803-A IP65 PG9/11 (electrical connection **0**)

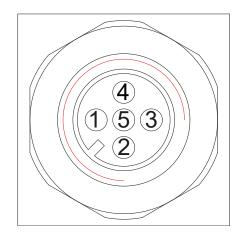


3 POLES + T

SPST (TC1) SPDT (TC2)

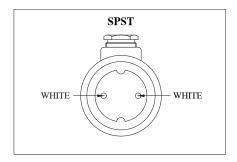
B 1 2 3 1-NO 2-NC

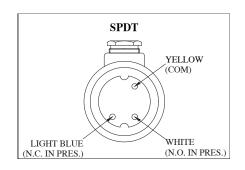
Circular Connector 5P M12 EN 60529 IP67 (electrical connection **5**)



	M12 5 POLES									
	SPST	(TC1)	SPDT	(TC2)						
В	1	2	1	2-NO 3-NC						

Aluminum Head IP68 (electrical connection 1)





	6 POLES										
	SPST	(TC1)	SPDT	(TC2)							
В	YELLOW	WHITE	YELLOW	WHITE-N.O. LIGHT BLUE-N.C.							

N.B.: the nature of the contact is considered in the presence of liquid



## IEG-TCMM IEG-TCMS



# ELECTROMAGNETIC LEVEL INDICATOR WITH TWO CONTACTS AND 1" GAS CONNECTION



#### **USE:**

Built to ensure the minimum or maximum level of liquids in tanks with maximum safety. Suitable for tanks containing liquids compatible with the brass tube, such as hydraulic or lubricating oils (provided their density does not exceed 220 cSt), petroleum, etc.

#### **OPERATION:**

When the float of the indicator in its travel encounters the built-in Reed switch at the pre-established point, the contact, actived by the magnet housed in the float, opens or closes, thus obtaning the possibility of sending a luminous or acoustic signal or activating or interrupting any electrical equipment connected to it.

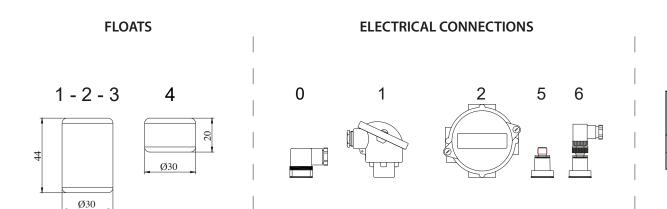
#### **ASSEMBLY:**

The indicator must be mounted in a vertical position, with the warning that the float is at least 35mm away from ferrous surfaces (walls, tanks, etc.).

IEG-TCMS level switch with SPDT separate contacts or with a common, requires an aluminum connection head containing a number of terminals suitable for use (5 or 6). Alternatively, it is possible to use the M12 connection only with 2 SPDT contacts with a common.

**Max Pressure: 10 Bar** 

## **DATA AND TECHNICAL ORDER**



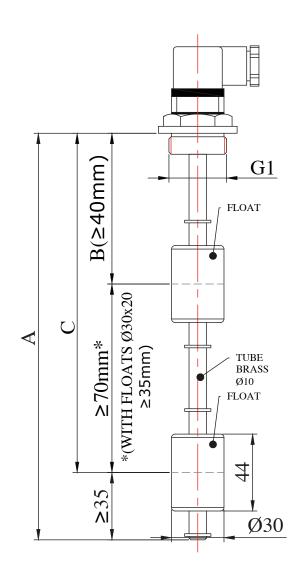
### **ELECTRICAL DATA**

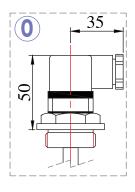
		ELECT	RICAL CHARACTER	ISTICS	
ELECTRICAL CONTACTS	DC SWITCHABLE POWER	AC SWITCHABLE POWER	AC CURRENT INTENSITY	SWITCHABLE VOLTAGE	SWITCHABLE VOLTAGE WITH M12
SPST	80 W	80 V.A.	1.3 A	250 VDC	60 VDC
3531	80 W	60 V.A.	1,5 A	250 VAC	60 VAC
CDDT	60 W	60 V.A.	1 A	230 VDC	60 VDC
SPDT	60 W	60 V.A.	14	230 VAC	60 VAC

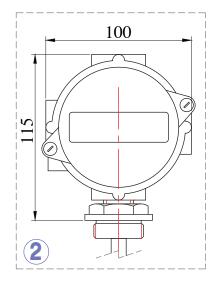
	МО	DEL		LENGTH		CHECKPOINT			CHECKPOINT										LENGTH	H OF CABLE
	CONTACT TYPE	NUMBER OF CHECKPOINTS	PROCESS CONNECTION	"A"		"C"			"B"		ELECTRIC	CAL CONNECTION	FLC	OAT	OPERATING 1	TEMPERATURE	WIF	RING		TENTIAL)
	ITPE	CITECKI OIKIS	CONNECTION		QUOTE	NAI	TURE	QUOTE	NAI	TURE										
							N.C. IN THE			N.C. IN THE	0	CONNECTOR IP65	1	NYLON Ø30X44						
IEG-TCMM	SPST					С	PRESENCE OF LIQUID (TCMM)	≤ (C - 70)mm *WITH FLOAT	С	PRESENCE OF LIQUID (TCMM)	1	6 POLES - ALUMINUM HEAD IP68		<i>\$</i> 30,44	S	-20+80°C	1	1 COMMON		
								1-2-3												ŀ
											2	10 POLES - ALUMINUM HEAD IP65	2	NBR Ø30X44						
			1" GAS				N.O.IN THE PRESENCE OF			N.O. IN THE PRESENCE OF		CABLE OUTPUT								WITH PVC OR
		2	ANODIZED ALUMINUM	≥ 145 mm	≤(A-35)mm	0	LIQUID (TCMM)		0	LIQUID (TCMM)	3	PVC -20°C+80°C (TCMM)							L=	SILICONE CABLE
											4	CABLE OUTPUT SILICONE	3	P.P. Ø30X44						
												-20°C+120°C (TCMM)		·						
IEG-TCMS	SPDT							≤ (C - 35)mm *WITH FLOAT							н	-20+120°C	S	SEPARATED		
						s	EXCHANGE (TCMS)	4	S	EXCHANGE (TCMS)	5	M12 CONNECTION (TCMS 1COMMON)								
							(101110)			(**************************************		M12 CONNECTION +	4	NBR Ø30X20						
											6	CONNECTOR (TCMS 1COMMON) IP67								
	IEG-T	CMM		145	40		С	110		С		3	:	1		S		1	L=	=1000

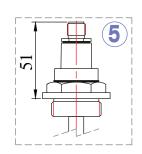
# IEG-TCMM IEG-TCMS

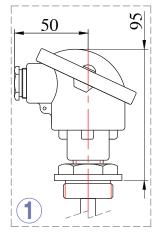
## **ELECTRICAL CONNECTIONS**

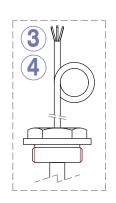


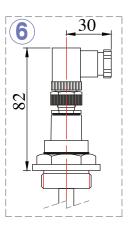






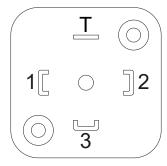




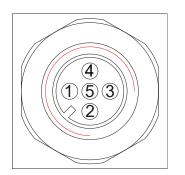


### **ELECTRICAL CONNECTION TABLE - TCMM & TCMS**

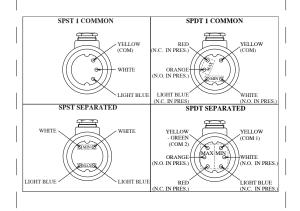
Connector CE EN 175301-803-A IP65 PG9/11 (electrical connection **0**)



Circular Connector 5P M12 EN 60529 IP67 (electrical connection **5**)



Aluminum Head IP68 (electrical connection 1)



Aluminum Head IP65 (electrical connection **2**)



	3 POLES+T						
	SPST (	ГСММ)					
	1 COMMON	SEPARATED					
В	3	3 T					
C	2	1 2					
	1 (COMMON)	_					

I		M12 5 POLES									
	SPST (	ГСММ)	SPDT (TCMS)								
·   <u>-</u> [	1 COMMON	SEPARATED	1 COMMON								
В	3	3 4	4-NO 5-NC								
C	2	1 2	2-NO 3-NC								
	1 (COMMON)		1 (COMMON)								

I	6 POLES								
	SPST (	ГСММ)	SPDT (TCMS)						
	1 COMMON	SEPARATED	1 COMMON	SEPARATED					
B	LIGHT BLUE	LIGHT BLUE	ORANGE-N.O. RED-N.C.	YELLOW-GREEN ORANGE-N.O. RED-N.C.					
	WHITE	WHITE WHITE	WHITE-N.O. LIGHT BLUE-N.C.	YELLOW WHITE-N.O. LIGHT BLUE-N.C.					
	YELLOW (COMMON)		YELLOW (COMMON)						

	10 POLES											
	SPST (	ГСММ)	SPDT (TCMS)									
	1 COMMON	SEPARATED	1 COMMON	SEPARATED								
В	3	3 4	4-NO 5-NC	4 6-NO 5-NC								
C	2	1 2	2-NO 3-NC	1 2-NO 3-NC								
	1 (COMMON)		1 (COMMON)									

N.B.: the nature of the contact is considered in the presence of liquid

