

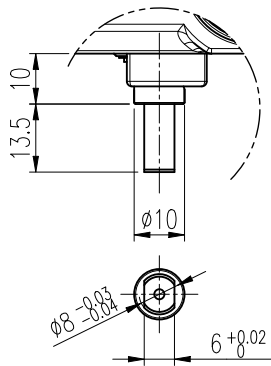
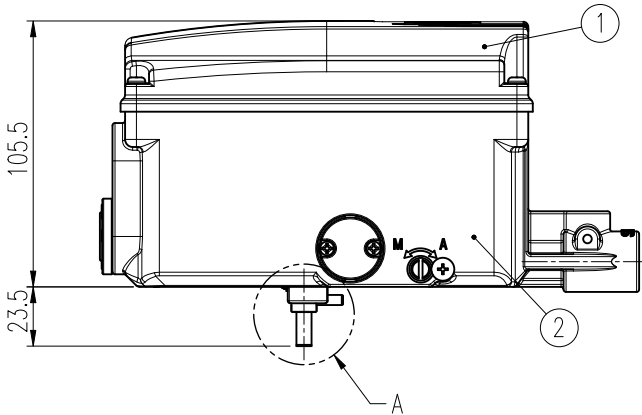
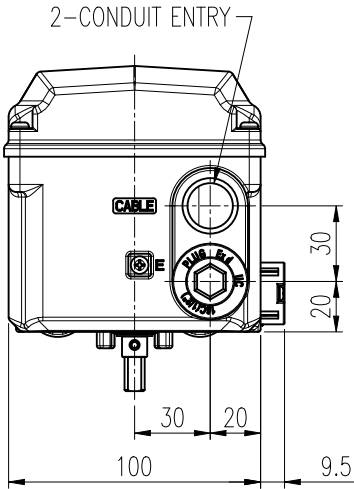
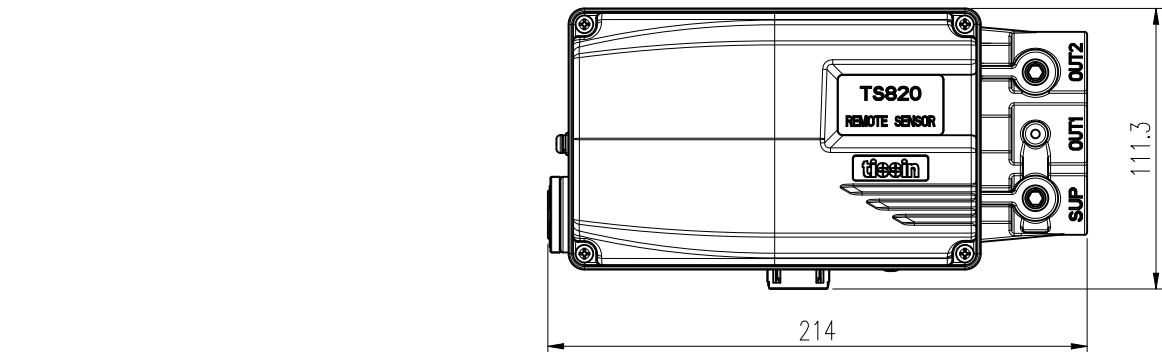
NO.	DATE	REVISION	DESIGNED	CHECKED	APPROVED
0	181122	RELEASED	DKMIN		DKMIN
1	210223	ADD TEMPERATURE GRADE	DKMIN	-	DKMIN
2	220221	ADAPT TO REALITY	SHYEOM	-	DKMIN

PART LIST

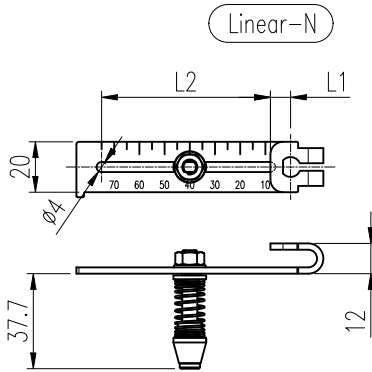
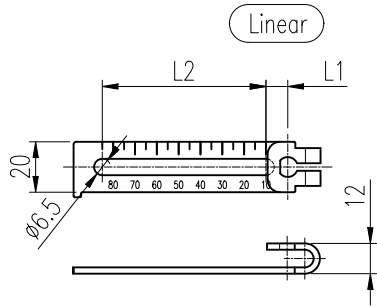
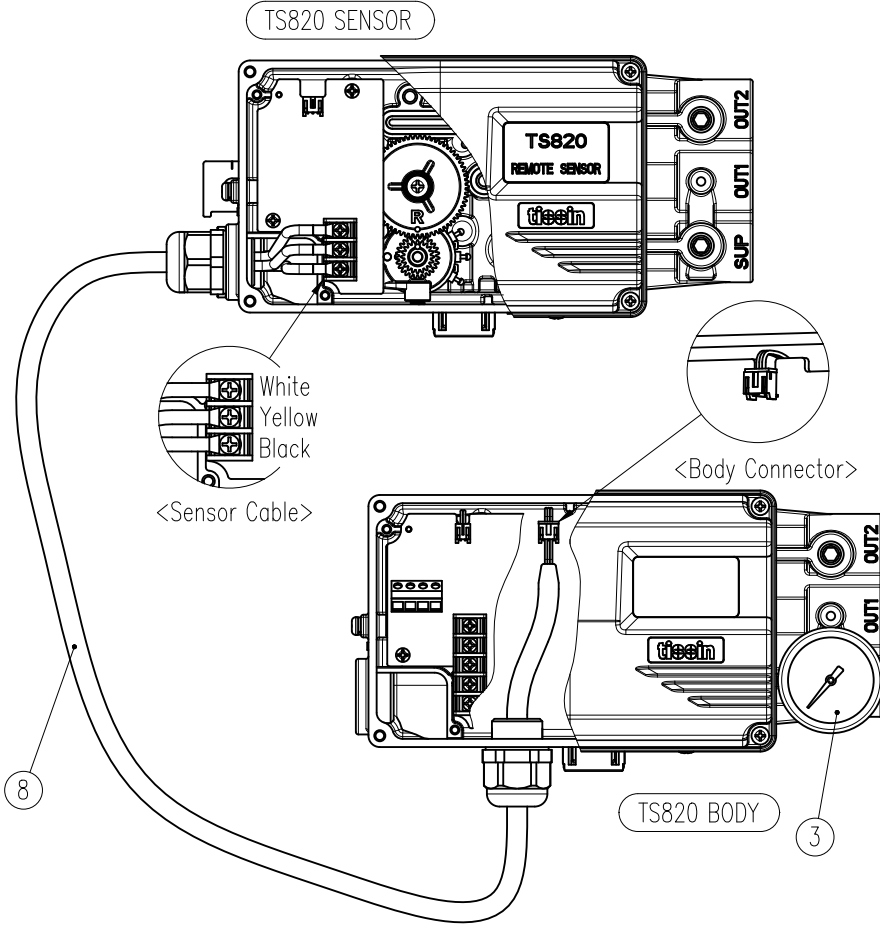
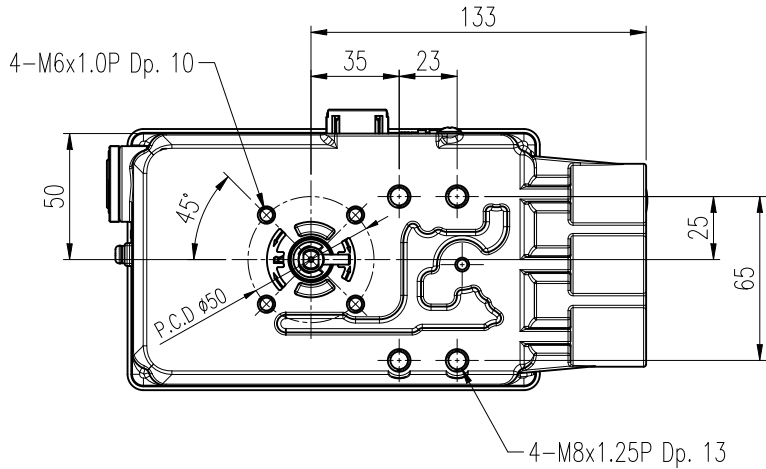
8	CABLE (AWG16 x 3C)	PVC	1
7	FEEDBACK LEVER (LINEAR-N)	STS304	1
6	FEEDBACK LEVER (LINEAR)	STS304	1
5	FEEDBACK LEVER (ROTARY NAMUR)	STS304	1
4	FEEDBACK LEVER (ROTARY)	STS304	1
3	PRESSURE GAUGE	STS304	1 or 2
2	COVER BASE	ALDC12	1
1	BODY BASE	ALDC12	1
NO.	PART NAME	MATERIAL	Q'TY

SPECIFICATIONS

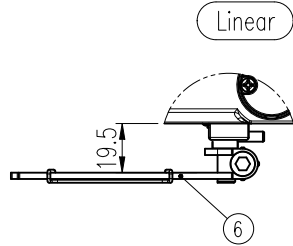
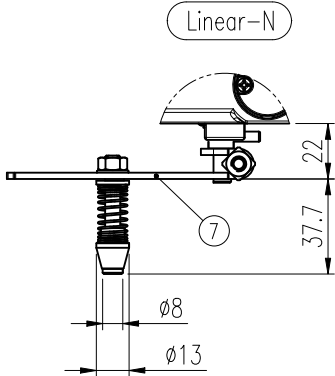
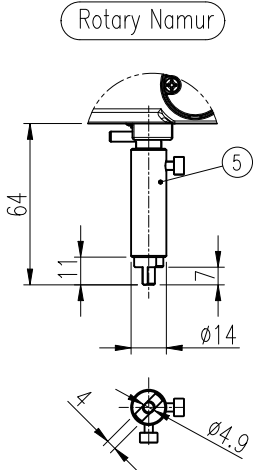
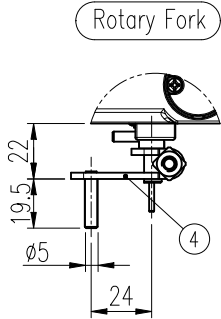
Acting Type		Single or Double
Input Signal		4 ~ 20mA
Impedance		500 at 20mA DC
Working fluid		Compressed air
Max. working pressure		0.7 MPa
Min. working pressure		0.14 MPa
Air Consumption (sup=0.14MPa)		<2.3 LPM
Flow Capacity (sup=0.14MPa)		>100LPM
TS820 BODY Ambient Temp.	Standard Type	-30°C ~ 85°C
	Low Temp. Type	-40°C ~ 85°C
	Explosion Proof	-40°C ~ 60°C (T5) -40°C ~ 40°C (T6)
	LCD Operating	-30°C ~ 85°C
TS820 SENSOR Operating Temp.		-40°C ~ 100°C
TS820 Cable length		Max. 20m
Explosion Proof		Ex ia IIC T5/T6 Gb Ex ia IIIC T100 C / T85 C Db IP6X
Enclosure		IP66
Air Connection		PT1/4 or NPT1/4
Gauge Connection		PT1/8 or NPT1/8
Conduit entry		G(PF)1/2 or NPT1/2
Pressure Gauge		Ø42, Max. 0.8MPa
Stroke	Linear	10 ~ 150mm
	Rotary	0~90°
Linearity		±0.5% F.S.
Hysteresis		±0.5% F.S.
Sensitivity		±0.2% F.S.
Repeatability		±0.3% F.S.
Housing Material		Aluminum die-cast
TS820 BODY Weight		2.2kg
TS820 SENSOR Weight		1.2kg



DETAIL A



Lever Type	Stroke	L1	L2
1	10 ~ 80	8.66	64.95
2	70 ~ 150	60.62	77.94
3	10 ~ 30	8	27
4	10 ~ 70	8	67



SURFACE TEXTURE		WEIGHT	g	PROJECT	-
FINISH		SHEET No.	1 / 1	PRODUCT NAME	SMART POSITIONER
MATERIAL		UNIT	mm	MODEL	TS820
QUANTITY		SCALE	1 / 3	TITLE	TS820
OTHERWISE NOTE		PROJECTION	3RD ANGLE	DWG. NO.	TS820 AA 01 A1
GENERAL DIM		DWG SIZE	A3		REV. 2