

APPLICATIONS

- Petro-chemical plants
- Process & power plants
- Chemical / Fertilizer plants

FEATURES

- Reflex / Transparent type glass indicator
- High pressure & temperature
- Reflex / Transparent for clear liquid level indication
- Transparent for gaseous fluids

DESCRIPTION

General

Design : DIN 7081 / BS 3463

Type : Reflex / Transparent

Max Operating Pressure : 40 bar / 60 bar / 150 bar

Max Operating Temperature : 120°C / 240°C / 400°C

Orientation : Top+Bottom / Side+Side

Process connection type : Threaded / Flanged

Isolation valve : Offset screwed bonnet /
Auto ball-check

Visible length : Equal for Side+Side mounting and
lesser by 50 mm in Top+Bottom mounting to CCD

Material of construction

Body material : ASTM A105 / ASTM A350 LF2 / AISI 304 SS
AISI 316 SS / AISI 316L SS

Cover plates : ASTM A105 / ASTM A350 LF2 / AISI 304 SS
AISI 316 SS / AISI 316L SS

Isolation valves : ASTM A105 with AISI 304 SS trim
AISI 304 SS / AISI 316 SS with AISI 316 SS trim

Gaskets : Compressed Asbestos Fiber (CAF) / PTFE
Grafoil reinforced with AISI 316 SS

Nuts & Bolts : Chrome molybdenum alloy steel in
combination as A193 B7 & A194 2H /
A193 B8 - A194 8M

Vent & Drain connection & accessories : As per
body material

Scale : Aluminum / AISI 304 SS / AISI 316 SS / Acrylic

Tag plate : AISI 304 SS



LEVEL GAUGES - REFLEX / TRANSPARENT, TMC40-1 & 2

Standard version : TOP MOUNTED

Orientation : Top+Bottom

Body material : ASTM A105

Cover plates : ASTM A105

Glasses : Borosilicate

Gasket : Compressed Asbestos Fiber (CAF)

Vent : ½ NPT (F), plugged

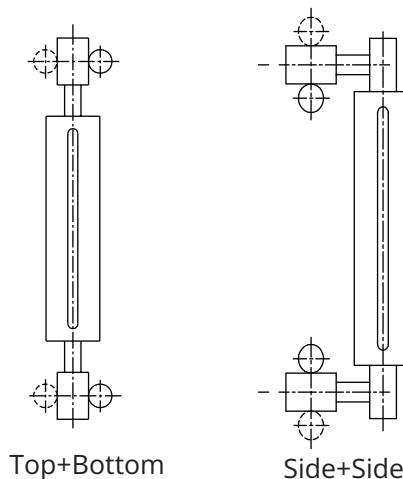
Drain : ½" NPT (F), plugged

Process connection : 1" RF 150# as per ANSI B16.5

Center to Center Distance (CCD) : 300...6500 mm

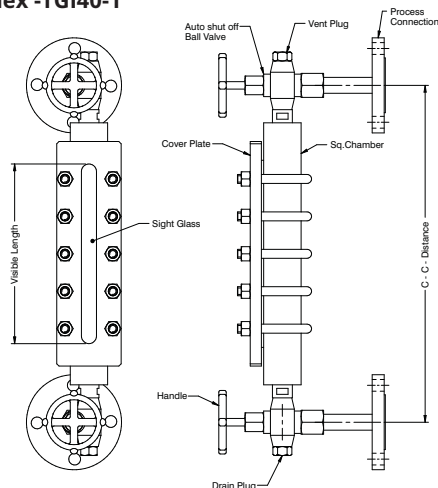
Scale : Aluminum

ORIENTATION

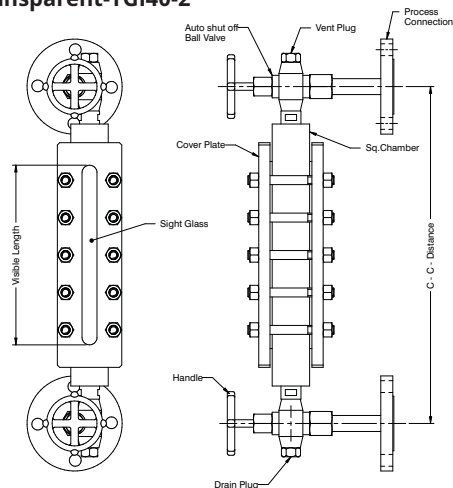


DIMENSIONAL DRAWING

Reflex -TGI40-1



Transparent-TGI40-2



NOTES
1. Drawing not to scale. All dimensions are in mm.

ORDERING CODES

MODEL						TMC40-1
TMC40-1 Reflex Level Gauge			TMC40-2 Transparent Level Gauge			
ORIENTATION						M14
M14	Top+Bottom		M15	Side+Side		
BODY MATERIAL						S09
S09	ASTM A105	S01	AISI 304 SS	S02	AISI 316 SS	
S13	ASTM A350 LF2					
COVER PLATES						S09
S09	ASTM A105	S01	AISI 304 SS	S02	AISI 316 SS	
S13	ASTM A350 LF2					
GASKETS						E51
E50	CAF	E51	PTFE	E52	Grafoil reinforced with SS 316	
VENT						E53
E53	½" NPT (F), plugged	E54	¾" NPT (F), plugged	E55	1" NPT (F), plugged	
E56	Needle Valve	E57	Ball Valve	E58	Flanged	
DRAIN						E53
E53	½" NPT (F), plugged	E54	¾" NPT (F), plugged	E55	1" NPT (F), plugged	
E56	Needle Valve	E57	Ball Valve	E58	Flanged	
PROCESS CONNECTION						A13
P8	½" NPT (M)	A13	1" RF 150#	A31	2" RF 150#	
P10	¾" NPT (M)	A14	1" RF 300#	A32	2" RF 300#	
P12	1" NPT (M)	A25	1½" RF 150#	A43	3" RF 150#	
P16	¾" NPT (M)	A26	1½" RF 300#	A49	4" RF 150#	
SCALE						S14
S14	Aluminum	S15	Acrylic	S01	AISI 304 SS	
S02	AISI 316 SS					
CENTER TO CENTER DISTANCE						500
XXXX	300...6500 mm					
OTHER OPTIONS						E60/E27/E61
E60	Performance test certificate	E17	Material test certificate 3.1	E27	Tag plate, AISI 304 SS	
E28	Tag plate, AISI 316 SS	E58	Anti-frost protection	E59	Illuminator with diffuser	
E61	Hydro test certificate					

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Ordering Example : TMC40-1.M14.S09.S09.E51.E53.E53.A13.S14/500/E60/E27/E61