

Instrument Transformers Ltd



INSTRUMENT TRANSFORMERS LTD
 2-4 LITHGOW PLACE
 COLLEGE MILTON NORTH
 EAST KILBRIDE G74 1PW
 SCOTLAND U.K.

2-4 Lithgow Place
 College Milton North, East Kilbride
 Scotland
 G74 1PW

Test Equipment: OMI 001 **Routine Test Report** Date: 12/05/2016
 Form 014i Issue Date: 15/05/14 Tested in accordance with: IEC61869-2

Customer Ordering Information

ITL Sales Order: 42895-1	CT Ratio: 1739/2A
Customer: The Company	Class: 1
Customer Order No: PO157628	VA: 15
ITL Part No: 300/31256	Rct@75°C (Ω):
Customer Part No: CT1739	Frequency (Hz): 50/60
Type:	Insulation Level: IL: 0.72/3kV
Project Reference:	Dimensions: 155 ID/200 OD/30 AL

Test Information

Serial Number: 37872-1-001	Over-Voltage Interturn Test: Pass	
Measured Dimensions: 155/200/23	Verification of Markings: Pass	
Tested By: Lorraine Bateman	Power Frequency Test: Pri/Sec+E	kV/1min
Approved By: G.McFarlane	Pri/Pri	kV/1min
	S/E	3 kV/1min
	S/S	kV/1min

CT Test Data

Ratio	Class	VA	Power Factor	Ek ≥ (V)	Ie ≤ (A)
1739	1	15	0.8		
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

Limits for Class

Ratio	Current Error (CE) (%)					Phase Displacement (PD) (Minutes)				
	120%	100%	20%	5%	1%	120%	100%	20%	5%	1%
1739	1	1	1.5	3		60	60	90	180	
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Recorded Errors

Ratio	Current Error (CE) (%)					Phase Displacement (PD) (Minutes)				
	120%	100%	20%	5%	1%	120%	100%	20%	5%	1%
1739	-0.26	-0.27	-0.48	-0.80	0	1.6	2.2	8.4	15.8	0.0
0	0.00	0.00	0.00	0.00	0	0.0	0.0	0.0	0.0	0.0
0	0.00	0.00	0.00	0.00	0	0.0	0.0	0.0	0.0	0.0
0	0.00	0.00	0.00	0.00	0	0.0	0.0	0.0	0.0	0.0

Ratio	Accuracy Limit Factor		Composite Error		Instrument Security Factor		Rct@75°C	
	Req. ALF ≥	Meas. ALF	Comp Error Limit ≤ (%)	Meas. Comp Error (%)	Req. FS ≤	Meas. FS	Req. Rct@75°C ≤ (Ω)	Meas. Rct@75°C (Ω)
1739					?	4.1		1.67
0	0	0	0%	0.00%	0	0	0	0
0	0	0	0%	0.00%	0	0	0	0

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Test Equipment: OMI 001 **Routine Test Report** Date: 01/06/2016
 Form 014i Issue Date: 15/05/14 Tested in accordance with: IEC61869-2

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	Pri/Pri	kV/1min
	S/E	3 kV/1min
	S/S	kV/1min

Knee Point Check

Ratio	Req. Ek ≥ (V)	Meas. Ek (V)	Ie @ Ek (A)	Ek / 2 (V)	Ie @ Ek / 2 (A)
1739					

