

**INTELLIGENT ELECTRONIC DEVICE METER
(IED METER)**

Page

1 of 3

TEST DATA
(Applicable for Generators only)

Test Data No. : _____

Station : _____

SEIL/Equipment ID : _____

Date of Test : _____

CT Ratio : _____

PT Ratio : _____

Technical Data :

Make : _____

Model : _____

Serial No. : _____

Class : _____

Rating : _____

Multiplier : _____

I. ONLINE TEST

Measuring Device	Meter Indication (Primary)	Measuring Test Instrument	% Accuracy
A. Current	(A)	(B)	
ØA			
ØB			
ØC			
B. Voltage			
Ø A - B			
Ø B - C			
Ø C - A			
C. MW			
D. MVAR			

Remarks: _____

II. VALIDATION TEST

A. INTELLIGENT ELECTRONIC DEVICE (IED) - CURRENT AND VOLTAGE MEASUREMENT

Parameter Applied	Phase	LIMITING VALUES		Raw Count (RTU/BCU)	Actual Reading	% Accuracy	Remarks
		% Accuracy	Expected Value				
CURRENT	100% x In	A	95% - 105%				
		B					
		C					
	75% x In	A	95% - 105%				
		B					
		C					
	50% x In	A	95% - 105%				
		B					
		C					
VOLTAGE	25% x In	A	95% - 105%				
		B					
		C					
	110% x Vn	A - B	95% - 105%				
		B - C					
		A - C					
	100% x Vn	A - B	95% - 105%				
		B - C					
		A - C					
	90% x Vn	A - B	95% - 105%				
		B - C					
		A - C					
	80% x Vn	A - B	95% - 105%				
		B - C					
		A - C					

Remarks: _____

IED METER TEST DATA

Page

2 of 3

B. INTELLIGENT ELECTRONIC DEVICE (IED) - MEGAWATT AND MEGAVAR MEASUREMENT

Parameter Applied	LIMITING VALUES		Raw Count (RTU/BCU)	Actual Reading	% Accuracy	Remarks
	% Accuracy	Expected Value				
MW	Rated V @ 100% In @ 0°	95% - 105%				
MW	Rated V @ 75% In @ 0°	95% - 105%				
MW	Rated V @ 50% In @ 0°	95% - 105%				
MW	Rated V @ 25% In @ 0°	95% - 105%				
MVAR	Rated V @ 100% In @ 180°	95% - 105%				
MVAR	Rated V @ 75% In @ 180°	95% - 105%				
MVAR	Rated V @ 50% In @ 180°	95% - 105%				
MVAR	Rated V @ 25% In @ 180°	95% - 105%				
MVAR	Rated V @ 100% In @ 270°	95% - 105%				
MVAR	Rated V @ 75% In @ 270°	95% - 105%				
MVAR	Rated V @ 50% In @ 270°	95% - 105%				
MVAR	Rated V @ 25% In @ 270°	95% - 105%				

Remarks: _____

IED METER TEST DATA

Page

3 of 3

Tested by :

Contractor - Test Engineer

Concurred by :

Owner's Representative

Witnessed by :

NGCP Representative