

TECHNICAL SPECIFICATIONS

Measuring Transmitting Units (MTUs)			
	Pro	Pro Lite	Pro Home
Types of Services			
Single-phase 2-Wire or 3-Wire	Yes	Yes	Yes
3-phase 4-Wire Wye	Yes	Yes	No
3-phase 3-Wire Delta	Yes	No	No
3-phase 4-Wire Hi-leg Delta	Yes	No	No
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Maximum Voltage - Phase/Phase	600 V	n/a	n/a
Maximum Voltage - Phase/Neutral	347 V	277 V	240 V
Minimum Voltage	180 V	95 V	95 V
Maximum Current - per phase	5000A *	200A	400A**
Maximum Wire Size	500 MCM (23mm OD)*	4/0 AWG (15mm OD)	4/0 AWG (15mm OD)
Voltage Measurement	Voltage Divider Circuit	Voltage Divider Circuit	Voltage Divider Circuit
Current Measurement	400A:3V Split-Core CTs	200A:1.5V Split-Core CTs	200A:1.5V Split-Core CTs
Operating Temperature	$-40^{\circ}\text{C} < T_A < +50^{\circ}\text{C}$	$-40^{\circ}\text{C} < T_A < +50^{\circ}\text{C}$	$-40^{\circ}\text{C} < T_A < +50^{\circ}\text{C}$
Energy Measurement and Calculations	ADE 7854ACPZ	Cirrus CS5461A	Cirrus CS5461A
Overall Accuracy	*** Better than $\pm 2\%$	*** Better than $\pm 2\%$ 1-phase, $\pm 4\%$ 3-phase	*** Better than $\pm 2\%$
Measure and Transmit Energy	$\pm 1\text{W}$	$\pm 1\text{W}$	$\pm 1\text{W}$
Measure and Transmit Demand	$\pm 1\text{VA}$	$\pm 1\text{VA}$	$\pm 1\text{VA}$
Measure and Transmit Voltage	$\pm 0.1\text{V}$	$\pm 0.1\text{V}$	$\pm 0.1\text{V}$
Measure and Transmit Phase Currents	$\pm 0.01\text{A}$	$\pm 0.01\text{A}$	$\pm 0.01\text{A}$
Measure and Transmit Power Factor	$\pm 0.1\%$	$\pm 0.1\%$	$\pm 0.1\%$
Communication Interface	PLC / Ethernet	PLC	PLC
PLC System	Yitran IT700 System	Yitran IT700 System	Yitran IT700 System
Tested and Approved to:	FCC Part 15, UL916, CSA C22.2#205, IEC 61010-1		

* Will measure up to 5000A with three 400A parallel feeds using additional CT sets. For systems over 1200A please contact TED Customer Service.

** Will measure up to 400A with two parallel 200A using additional CT set or with optional 400A CT set.

*** From 1.5% to 100% of Full Scale