

# TECHNICAL SPECIFICATIONS

Measuring Transmitting Units (MTUs)			
	Pro	Pro Lite	Pro Home
<b>Types of Services</b>			
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°C<T <sub>A</sub> <+50°C	-40°C<T <sub>A</sub> <+50°C	-40°C<T <sub>A</sub> <+50°C
Energy Measurement and Calculations	ADE 7854ACPZ	Cirrus CS5461A	Cirrus CS5461A
Overall Accuracy	*** Better than ± 2%	*** Better than ± 2% 1-phase, ± 4% 3-phase	*** Better than ± 2%
Measure and Transmit Energy	± 1W	± 1W	± 1W
Measure and Transmit Demand	± 1VA	± 1VA	± 1VA
Measure and Transmit Voltage	± 0.1V	± 0.1V	± 0.1V
Measure and Transmit Phase Currents	± 0.01A	± 0.01A	± 0.01A
Measure and Transmit Power Factor	± 0.1%	± 0.1%	± 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