

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