Bantam Plus

Best in Class Innovative Solution



Safe - Accurate - Versatile



Bantam Plus *Innovative Meter Site Testing Solution*

Portable at 30lb Weight

Automated Test Socket

Synthesized Voltage & 50 Amp Current Source

Optional CT Burden and Ratio Testing

WATT-Net Software Data Management

6.5 LCD Touch Screen

Designed for Operator Safety

Embedded RD 0.02%, 0.04% Reference Standard

Optional Analog Testing

Integrated Optics

Radian sets benchmark for on-site testing — No other product can offer the accuracy & functionality in a compact portable solution.

Guided by customer involvement the Bantam Plus is engineered from concept though completion to be the most technologically and complete solution in portable three-phase meter site testing. Bantam Plus is an innovative solution that supplies a safe, accurate and highly versatile answer to the diverse test requirements of today's electric metering site.

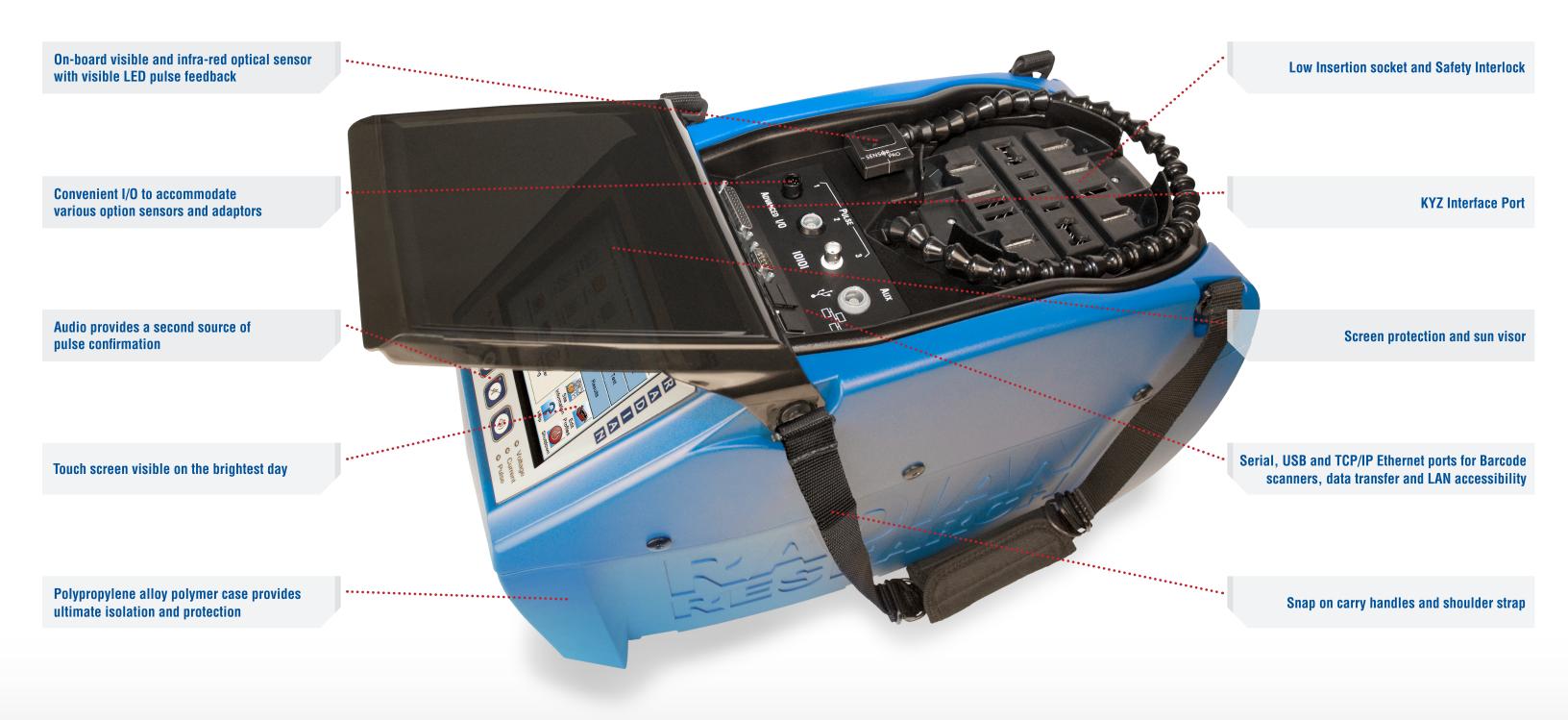
Bantam Plus combines the accuracy of the embedded Radian Standard with the versatility of WECO software.

The versatility of the Bantam Plus easily adapts to your testing methods. The automated socket provides convenient Meter Form selection, if meter removal is a challenge; simply plug in the optional RB-MTA adaptor to connect to the site test interface switches. The integrated Optics offer a convenient test solution in a single package, but should you wish to bypass simply connect optional optics to one of the three Bantam Plus I/O ports.

Site Meter testing has never been easier; a meter test can be initiated by selecting one of 30 user programmed meter profiles. The Bantam Plus software user interface will be familiar to most operators. Running Winboard Embedded, on a *Microsoft Windows Operating system, you have the look and feel of a WECO shop test board.



Bantam Plus The most complete meter-site tester puts functionality at your finger tips!





Expand Bantam Plus capabilities with a wide selection of accessories



RM-1S

The RM-1S Remote Reset Switch is a normally closed push button switch. The push-button has a tactile feel to provide instantaneous feedback of switch actuation.



RB-TSJ

Test Switch Current Jumper Kit (Supplied with RB-TRSR1)

RB-MAG

Magnetic Mount Optics Kit



RB-SCRN

RB-2x Replacement Screen Shield Damaged or badly scratched screen protectors are field replaceable.



RB-SMK

RB-2x Socket Maintenance KitContains pack of six field replacement socket assemblies and one Torx drive.



RB-BAG

Nylon Accessories Bag $12(L) \times 8(H) \times 5(W)$



Back pack harness.



RB-SCA

RB-2x to RD-2x Standards Compare
Adapter

Used to interface with an external RD for calibration purposes.



RB-KYZIO

Advance I/O KYZ Breakout Cable Connects to Bantam Plus KYZ port.



RB-BARCODE

Serial Barcode Scanner

Collect Meter Faceplate information and run meter tests automatically from a barcode scanner.



RB-IR

110165

Solid State IR Optics Probe Assembly with suction cup attachment based optics.



RB-IR

110166

Solid State IR Optics Probe Assembly with magnetic attachment based optics.



Have special meter site requirements? Bantam Plus accessories can provide the solution!



RB-MSA

Meter Socket Safety Power Adapter Simply pull the meter and insert the safety adapter into the exposed meter socket. Adapter faceplate voltage banana sockets provide easy access to service voltage.



RB-FPC-Supplied with RB-20

RB-2x Field Power Cable
An eight foot length of three core
cable terminated with alligator clips
and banana plugs to connect to
meter socket service volts.



RB-MTA

Meter Test Adapter

An assembly that plugs into the Bantam Plus meter socket and delivers voltage and current (20 Amps max) to the meter test socket.



RB-IRDS

IR /Visible LED/Laser Disk Sensor, Band Mount

The most versatile three in one meter pulse sensor assembly enables meters to be tested in the socket.



RB-OPTOCM

OPTOCOM Optics Kit – Port 1 Used for meters that requires communication via Optocom interface.



RB-MOUNT

Frame mount for Mechanical meter orientation and truck mount capability.



RB-TSBR1

Test Switch Interface Adapter
with Burden and Ratio Testing
An adapter that plugs into the Bantam
meter socket. Provides access to
clamp probes and direct secondary

current for CT measurement.



RB-MECH

Mechanical Meter Socket Adapter 90 Degree Adapter for electro-mechanical meters.

Specifications

| General | | | |
|-----------------------|---|--|--|
| Protection | Breaker ON/OFF Switch, 5 A | | |
| Operation Range | Aux Power 90-300 VAC (autoranging), 500 W Max Frequency 45-65 Hz (fundamental) Dimensions 370 mm x 260 mm x 520 mm (14.4" x 10.2" x 20.4") Weight 30.5 lbs (13.84 kg) | | |
| Environment | Humidity | | |
| Display | 6.5 Inch Touch Screen, Color Back Lit LCD, 640 x 480 | | |
| Communications | 2 USB Ports 1 Ethernet 10/100 Port 1 RS-232 Com Port 1 Optical Communication Port Analog Sense Port - Requires RB-20AS or RB-21AS | | |
| Supported Meter Forms | 1S, 2S, 3S, 4S, 5S, 6S, 8S (electronic), 9S, 10S, 12S, 13S, 14S, 15S, 16S, 25S, 26S, 29S, 35S, 36S, 45S, 46S, 56S, 66S, 96S | | |

| Output Source | |
|---------------|--------|
| Voltage | Output |
| Current | Output |

| Measurement Specifications | | | | | | |
|--|--|---|--|---|--|--|
| Function | Reading | Accuracy (ppm) ^{1,2} | Temperature Coefficient ⁴ (ppm/° C) | Notes: 100 ppm = 0.01% 1 TCAL = 23° C | | |
| Power/Energy ^{2,3} Power Factor Phase Angle | 250 mA to 50 A >0.5 <0.5 0° to 360° | RB-20 RB-21 400 200 400 200 400/2PF 200/2PF 0.012° 0.006° | 10 | 2 Includes Variables of Stability, Power Factor, and Traceability Uncertainty, 20° C to 30° C 3 For > 1 second test 4 -10° C to 20° C, 30° C to 50° C | | |

Ordering Information:

Available models, (RB-20 class 0.04%), (RB-21AS (Analog Sense), RB-21 class 0.02%)

Radian Research, Inc. www.radianresearch.com

3852 Fortune Drive Lafayette, Indiana 47905 phone 765-449-5500 fax 765-448-4614

