



## 44D

### Digital/Analog Broadband RF Wattmeter

The verification and monitoring of transmit and reflected power levels is an essential aspect of the turn-up and maintenance of public safety and cellular communication networks. With the adoption of digital communications protocols, the need for new test tools and procedures is more urgent today.

Accurate readings of forward and reverse power, along with the ability to display additional information such as peak and average power, crest factor, and calculated VSWR/return loss are crucial. Adding a low level sample port can further enhance the efficiency of onsite personnel by providing a bidirectional path to the inline sensor for applications such as monitoring with a spectrum analyzer, or injecting an RF signal from a service monitor.

The new Telewave 44D Digital RF Wattmeter has all of these features, and provides them within a portable, rugged and economical form factor.

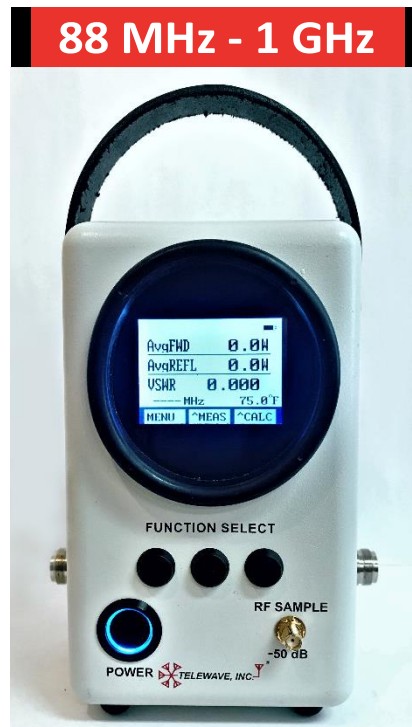
The Telewave 44D represents the latest generation of wattmeter technology addressing the more demanding requirements associated with digital modulations and protocols. The 44D combines the rugged reliability of its predecessor, the 44A, with more accurate and comprehensive measurement capabilities, including:

- Accuracy  $\pm 6\%$  (properly cabled)
- Frequency Range: 88 to 1000 MHz
- Forward Power: 5 to 500 Watts
- Bi-directional -50 dB SMA Sample/Injection Port
- Temperature Range – Operating (USB disconnected) -20°C to +50°C / Long Term Storage +20°C to +30°C
- Modulation/Protocol: CW, FM, P25 (1&2), DMR/d-PMR, IDAS/NXDN, D-Star, Fusion
- Battery rechargeable via USB - battery life at least 8 hours per full charge, life remain indicator
- RF Connectors – Thru-Line (TX & ANT) N-Female, Sample port SMA-Female
- Tough metal housing - optional leather carry case
- Simultaneous Display:
  - Forward & Reverse Power (Watts or dBm) (Peak or Average)
  - Calculated VSWR or Return Loss and Crest Factor
  - Signal Frequency

And all of this performance without the need for external elements (slugs) or correction tables!

At a price point well below \$2,000, the new 44D with native “no-slug” design represents a tremendous value to technicians and engineers who need to test many different frequencies and power levels.

For more information about, or to purchase a 44D Digital Wattmeter, or any other Telewave products or services; contact your Telewave sales representative, or contact Telewave directly – web [www.telewave.com](http://www.telewave.com), phone 1-800-331-3396 Option 1, or email [sales@telewave.com](mailto:sales@telewave.com).



Rear View



Optional Case