



# PMU

**NEW**

## Synchrophasor Technology Software Option

*Integrated with  
the USI Model  
2002 DFR*

- SYNCHROPHASORS AVAILABLE FOR EACH ANALOG CHANNEL
- POSITIVE SEQUENCE PHASOR CALCULATED FROM ANY THREE-PHASE VOLTAGE OR CURRENT INPUTS
- ONE FREQUENCY VALUE PER DEFINED PMU
- ANALOG VALUES CAN BE ADDED TO THE DATA STREAM
- DIGITAL INPUT STATUS CAN BE ADDED TO THE DATA STREAM
- USER DEFINED FRAME RATE (60Hz, 30Hz, 20Hz, 15Hz, 10Hz)
- CONFORMS TO IEEE PC37.118 STANDARD

PHASOR MEASUREMENT UNIT

**Utility Systems, Inc.**  
A Magnetic Instrumentation Company

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**T**he new USI PMU2002 is an add-on software package which allows existing USI Model 2002 Digital Fault Recorders to perform phasor measurement unit functions in addition to existing DFR functions. This add-on package requires no additional hardware or modification to an existing DFR installation.



**Possibilities:** 128 DFR Channels = 128 Synchrophasors



## USI PMU2002 Package Contents:

- Embedded DSP firmware update to allow real time phasor estimates to be performed by the Model 2002 DFR.
- Updated Remote application to receive real time Synchrophasor data from the Model 2002, and transmit measured Synchrophasor data via Ethernet in accordance with IEEE PC37.118 Standard for Synchrophasors for Power Systems.
- Updated WinDFR application to manage options for acquiring and delivering Synchrophasor data.
- PhasorView application to allow real time monitoring of Synchrophasor data transmitted via the PC37.118 standard.