2850 SERIES

atc Digitec Division

AC Panel Meters



AC TRUE RMS VOLTAGE/CURRENT

2850A Series
3½, 4 and 4½-Digit

Full scale ranges of 100mV to 600V and 200mA to 5A. The 5A units will take inputs direct from current transformers.

MODEL	DIGITS	COUNTS	ACCURACY (± ½ DIGIT)
2850A	3½	1999	0.3%
2851A	4	9999	0.2%
2852A	4½	19999	0.1%

NOTE:

A low-cost alternative for AC averaging and true RMS measurement is available in the 3100 series; see page 389.

Microprocessor technology provides application versatility and excellent accuracy at an affordable price. Standard features include:

- **Fully prompted setup and data entry through front panel keypad**
- **Automatic storage of max/min measurement data**
- **Dual high/low setpoints with user-programmable hysteresis**
- **SelfCal™ insures accuracy by sampling a precision internal reference every four seconds**
- **Set-up data permanently stored in non-volatile memory**
- **Lockout code for added security**
- **High-intensity 0.5" blue-green vacuum fluorescent display**
- **NEMA 12 sealed front panel**
- **Compact 1/8 DIN case, 45 x 92mm cutout**
- **Input/Output connectors supplied**
- **Dimensions: 2"H x 3.83"W x 5.36"D (50.8 x 97.3 x 136.1 mm)**

FIELD-INSTALLABLE OPTIONS INCLUDE:

- **Tri-state parallel BCD output**
- **Isolated analog output, 0-10VDC and 4-20mA**
- **RS232C/20mA serial data output**
- **Transducer excitation, 10 and 24 VDC**
- **Red-orange display characters**
- **Dual 5 A form C alarm relays**
- **Dual open collector outputs**
- **Screw terminal connectors**
- **NEMA 4X molded front cover**

FACTORY INSTALLED OPTIONS:

- **Digital scale and offset**
- **DC powered from 9 to 30V**
- **Three point linearization**