

Trumeter Advanced Panel Meters

- Large 4 digit main display
- Alphanumeric display for units, alarm or custom message
- 40 segment curved bargraph
- Dynamic backlight color
- Optional digital & analog outputs
- USB setup software



Two programmable setpoints can trigger the display to change color, flash, change annunciator message or all three at once. Trip when input is above, below, between or outside the setpoints.

SPECIFICATIONS

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|-------------------------|---|
| Input range (Volts): | 0 - 600V DC; 0 - 528V AC |
| Input range (Amps): | 0 - 5A DC; 0 - 5A AC, with CT or Shunt: 1000A |
| Input range (Frequency) | 0 - 400Hz |
| Accuracy: | Volts or Amps: 1%; Frequency: 0.1% |
| Display modes: | Peak or RMS |
| Main Display: | 4 digits, 12mm [0.47"] high |
| Annunciator Display: | 4 alphanumeric characters, 6mm [0.23"] high |
| Backlight colors: | Red, Green, White (user selectable) |
| Positive LCD display: | Black scale on white or colored background |
| Negative LCD Display: | White or colored scale on black background |
| Programmable items: | Digital display: offset & gain; auto or fixed range Bargraph: positive, negative or center bar; bar span Custom annunciators Backlight color & intensity Two alarm setpoints Digital & analog outputs (Output models only) |
| Setup: | 16 position switch for standard configurations, USB 2.0 port for custom settings |
| Free software: | Windows based APM Configurator application |
| Temperature: | -10 to +60°C operating |
| IP rating: | IP65 front |
| Power Supply: | 12-24 VAC/VDC nominal |
| OUTPUT Models: | Two independent analog/digital outputs |
| Max voltage: | 24V |
| Max current: | 50mA |
| Analog output: | 4-20mA |
| Certification: | UL and cUL (Pending), CE |
| Dimensions: | 72x72x53mm. Panel cutout 68x68mm |

ORDERING INFORMATION

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|--------------|--|
| APM-VOLT-APN | APM Voltmeter, Positive LCD |
| APM-VOLT-APO | APM Voltmeter, Positive LCD with Outputs |
| APM-VOLT-ANN | APM Voltmeter, Negative LCD |
| APM-VOLT-ANO | APM Voltmeter, Negative LCD with Outputs |
| APM-AMP-APN | APM Ammeter, Positive LCD |
| APM-AMP-APO | APM Ammeter, Positive LCD with Outputs |
| APM-AMP-ANN | APM Ammeter, Negative LCD |
| APM-AMP-ANO | APM Ammeter, Negative LCD with Outputs |
| APM-FREQ-APN | APM Frequency Meter, Positive LCD |
| APM-FREQ-APO | APM Frequency Meter, Positive LCD with Outputs |
| APM-FREQ-ANN | APM Frequency Meter, Negative LCD |
| APM-FREQ-ANO | APM Frequency Meter, Negative LCD with Outputs |
| 022128-01 | USB Cable |

Trumeter Process Meters

- User selectable V/mA input
- Accuracy 0.1% or better
- 20 point linearization table
- Large 4 digit main display
- Alphanumeric display for units, alarm or custom message
- 40 segment curved bargraph
- Dynamic backlight color
- Digital & analog outputs
- USB setup software



The programmable scale, linearization table and custom annunciator allow users to display the process parameter exactly how they want. Dynamic backlighting, in conjunction with setpoints, provides a visual alert when a parameter is out of range. The two outputs can be used to control other systems in the process.

SPECIFICATIONS

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|-----------------------|--|
| Input range (DC): | 0 to 10V; ±10V; 0 to 50mA; 4 to 20 mA |
| Input impedance: | Volts: 100kΩ; mA: 15Ω |
| Accuracy: | Volts: 0.1%; mA: 0.01% |
| Main Display: | 4 digits, 12mm [0.47"] high |
| Annunciator Display: | 4 alphanumeric characters, 6mm [0.23"] high |
| Backlight colors: | Red, Green, White (user selectable) |
| Positive LCD display: | Black scale on white or colored background |
| Negative LCD Display: | White or colored scale on black background |
| Programmable items: | Digital display: offset & gain; auto or fixed range Bargraph: positive, negative or center bar; bar span 20 point linearization table Custom annunciators Backlight color & intensity Two alarm setpoints Digital & analog outputs |
| Setup: | 16 position switch for standard configurations, USB 2.0 port for custom settings |
| Free software: | Windows based APM Configurator application |
| Temperature: | -10 to +60°C operating |
| IP rating: | IP65 front |
| Power Supply: | 12-24 VAC/VDC nominal (1.6W max.) |
| Outputs: | Two independent analog/digital outputs |
| Max voltage: | 24V |
| Max current: | 50mA |
| Analog output: | 4-20mA |
| Certification: | UL and cUL (Pending), CE |
| Dimensions: | 72x72x53mm. Panel cutout 68x68mm |

Use the APM Configurator Software to customize the meter settings for the application.



ORDERING INFORMATION

| | |
|--------------|--|
| APM-PROC-APO | APM Process Meter, Positive LCD with Outputs |
| APM-PROC-ANO | APM Process Meter, Negative LCD with Outputs |
| 022128-01 | USB Cable |

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