The ADEPT Series of digital panel meters

ADEPT-5 family - analogue input functions
- True RMS AC current and voltage measurement
- Thermocouple/PT100 temperature measurement
- Strain-gauge and loadcell measurement
- 4-20mA, 0-10V process signal measurement

ADEPT-7 family - pulse input functions
- Quadrature position and angle measurement
- NPN, PNP, contact closure pulse counting
- Ratemeter, tachometer functions
- Time Period measurements
- Frequency Ratio, Draw etc.

The **ADEPT-5** uses concurrent-slope analog-to-digital conversion, which allows up to 60 or 50 conversions per second while integrating the signal over a full power cycle. High read rate is ideal for peak capture, real-time computer interface, and control.

For both families, the peak value of the input signal is automatically captured and may be displayed via a front panel pushbutton command or a control signal at the rear connector since the last meter reset. Other controls at the rear connector include meter hold, meter reset, and decimal point selection

The displayed readings and the data outputs can be separately selected to be either unfiltered or filtered.

5, 10 and 24 Vdc isolated excitation outputs are standard to power external devices, such as transducers or transmitters. In many cases, these outputs eliminate the need for an external supply.

Dimensions & Environmental
Format 1/8 DIN,   48mm high x 96mm wide bezel
Panel cutout   42mm high x 95mm wide
Depth behind panel   110mm + cabling
Weight   200 grams
Operating temperature   0-60 degrees C
Storage temperature   -40 to +85 degrees C
Humidity   0-95 Degrees C non condensing
Front panel sealing   IP65 with gasket

Full product coding method

ADEPT-5 Panel meter, 5 digit, 14.2mm digit height
ADEPT-7 Counter / rate meter, 6 digit, 14.2mm digit height

Feature Capability (ADEPT-7 only)
- **-A**   Advanced
- **-B**   Basic

Display Colour
- **-G**   Green
- **-R**   Red

Supply Voltage
- **-D**   9-37V DC or 8-28V AC
- **-M**   85-264V AC or 90-370V DC

Alarm Output
- **-0**   None
- **-C**   2 SPDT alarm relays rated 10A@250V AC
- **-S**   2 solid-state relays rated 250mA@150V DC

Analogue Output or Batch Relay (mutually exclusive)
- **-0**   None
- **-B**   Batch relay, 1 pulse/batch (ADEPT-7-A only)
- **-I**   4-20mA
- **-V**   0-10V

Digital Interface
- **-0**   None
- **-2**   RS232
- **-4**   RS485
- **-B**   BCD

Input Type
- **-D**   Dual channel pulse input (ADEPT-7 only)
- **-L**   Loadcell input (ADEPT-5 only)
- **-P**   Process input (ADEPT-5 only)
- **-P**   Process input (ADEPT-7 only)
- **-Q**   Quadrature input (ADEPT-7 only)
- **-T**   RTD or thermocouple input (ADEPT-5 only)
- **-Z**   RMS AC current or voltage (ADEPT-5 only)

Example   **ADEPT-5-R-M-C-0-0-L**