



APPLIED MEASUREMENTS LTD.
Transducer Specialists...

+44 (0) 118 981 7339

info@appmeas.co.uk

<https://appmeas.co.uk>

T24-ACMi Miniature Wireless Telemetry Acquisition Module

Key Features:

- For use with all T24 Acquisition Modules
- Single Channel
- Holds 2 x 'AA' Batteries – up to 1 Year Life
- Miniature IP67 Rated ABS Enclosure
- Field Connection Terminals
- Remote Power 'on' and 'off'
- Easy Connectivity with Screw Terminals for Connection to a Variety of Sensors
- High Speed 200 Updates per Second
- High Resolution up to 1 Part in 400,000 (18bit)
- 3 Years Warranty



Every T24 transmitter module can be ordered in one of three IP rated enclosures - T24-ACM, T24-ACMi and T24-ACMm.

The T24-ACMi delivers high performance wireless sensing measurement for strain gauge, current or voltage input sensors and is available for use with pulse, potentiometer or temperature inputs. The batteries are standard alkaline 'AA' and by 'powering down' between transmissions or 'powering off' it offers a battery life of up to 5 years.

The T24-ACMi can achieve a transmission range of up to 800m in ideal conditions.

The compact and durable T24-ACMi acquisition connectivity module enclosure is rated to IP67 making it suitable for use in many tough industrial and outdoor environments.

The T24-ACMi incorporates a mounting PCB for your chosen [T24 acquisition module](#), simple screw-type wiring terminals, a battery holder for 2x 'AA' size batteries. [Ask us a question.](#)

Options:

- Batteries or External Power Supply
- Signal Input Options:
 - Strain Gauge (Load Cells, Force Transducers, Pressure Sensors, etc.)
 - Fast Strain Gauge (2kHz version of above).
 - Current (4-20mA or 0-20mA input).
 - Voltage (0-5Vdc, 0-10Vdc, 0-4.5Vdc, 1-5Vdc, 1-6Vdc, etc.).
 - Temperature (for PT100 type 385 sensors).
 - Pulse (Outputs in rpm, Hz, and time, actual pulse counting and measuring the period between pulses).
 - Potentiometer (For any potentiometer-based sensor with a resistance of between 500ohms and 100kOhms).



APPLIED MEASUREMENTS LTD.

Transducer Specialists...

+44 (0) 118 981 7339

info@appmeas.co.uk

<https://appmeas.co.uk>

Industries:

- Civil Engineering
- Lifting & Handling
- Waste Management
- Alternative Energy
- Construction
- Automotive
- Silo & Weighing Industry
- Marine

Applications:

- Wireless Monitoring of Bridge Structures
- Wireless Monitoring of Anchor Loads
- Wireless Bridge Surveying via GPRS
- Wireless Truck Load Weight Monitoring
- Wireless Skip Weighing System
- Wireless Platform Weighing with Ticket Printing
- Wireless Monitoring of Building Foundations
- Wireless Telemetry Strain Measurement of Wind Turbines
- Remote Load Monitoring of Construction Shoring Struts
- Force Measurement in Formula Racing
- Wireless Silo Weighing
- Superyacht Sail-Track Development
- Telemetry Monitoring on High Altitude Roads
- Radio Telemetry Monitoring of Underwater Turbine
- Wireless Mooring Rope Monitoring
- Wireless Valve Control
- Torque Measurement Using Wireless Technology
- Measuring the Power Output of a Motor

Specification:

Radio	Min	Typical	Max	Units
Licence		Licence Exempt		
Modulation Method		MS (QPSK)		
Radio Type		Transceiver (2 way)		
Data Rate		250		K bits / second
Radio Frequency	2.4000		2.4835	GHz
Power		10		mW
Range*			800	Metres
Channels (DSSS)		15		

*Tests conducted in an open field site with the transmitter at the top of a 3m pole. The receiver was mounted 1.5m off the ground.

Ordering Codes:

Input Modules (Determined by Order Code)	
T24-ACMi-SA	Strain Gauge (load cells, force transducers, pressure sensors, etc.).
T24-ACMi-Saf	Fast Strain Gauge (2kHz version of the above).
T24-ACMi-IA	Current (4-20mA or 0-20mA input).
T24-ACMi-VA	Voltage (0-5Vdc, 0-10Vdc, 0-4.5Vdc, 1-5Vdc, 1-6Vdc, etc.).
T24-ACMi-TA	Temperature (for PT100 type 385 sensors).
T24-ACMi-PA	Pulse (Outputs in rpm, Hz, and time, actual pulse counting and measuring the period between pulses).
T24-ACMi-RA	Potentiometer (for any potentiometer-based sensor with a resistance).



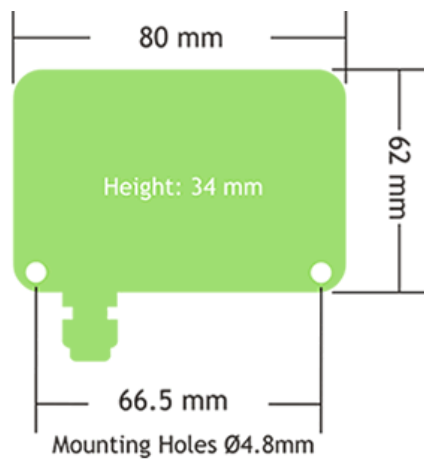
APPLIED MEASUREMENTS LTD.
Transducer Specialists...

+44 (0) 118 981 7339

info@appmeas.co.uk

<https://appmeas.co.uk>

Dimensions (mm):



Associated Products:



[T24-ACM Wireless Sensor Module Enclosure with External Power](#)



[T24-ACMi Mini Sensor Enclosure](#)



[T24-ACMm Mini Data Transmitter Case for Strain, 0-20 mA, 0-10 V](#)



[T24-HA Radio Telemetry Handheld Display up to 12 Inputs](#)



[T24-HS Radio Telemetry Portable Display for 1 Wireless Sensor](#)



[T24-HR Radio Telemetry Handheld for Multiple Transmitter Modules](#)



[T24-BSi Radio telemetry base station with USB, RS485 or RS232](#)



[T24-BSu Wireless radio telemetry USB base station](#)