

New Generation Telemetry Single Channel Acquisition Connectivity Module

Features



- Field terminals and screw terminals for ease of connection
- Powered by self-contained batteries for up to 5 years
- Regulated external supply
- Simple configuration and calibration of acquisition module via PC using base station with Telemetry Toolkit software
- Integrated PCB antenna
- 1 year manufacturer's warranty



Introduction

The T24-ACM is a single channel connectivity module, offering high precision measurement of a single input, with a high performance radio/telemetry output when fitted with one of our telemetry acquisition modules. (sold separately)

Usable around the globe on licence-free 2.4GHz frequency, the T24 range avoids local radio interference to ensure data integrity and security. For use in any measuring applications, from torque to weight, vibration to flow, the T24-ACM offers users a complete solution to your measurement requirements as the ACM provides easy connections and powering within the IP65 enclosure.

Specifications

Electrical	Min	Typical	Max	Units
Battery Supply voltage	2.1	3.0	3.6	V dc
External Power Supply Voltage	5		18	Vdc

Environmental

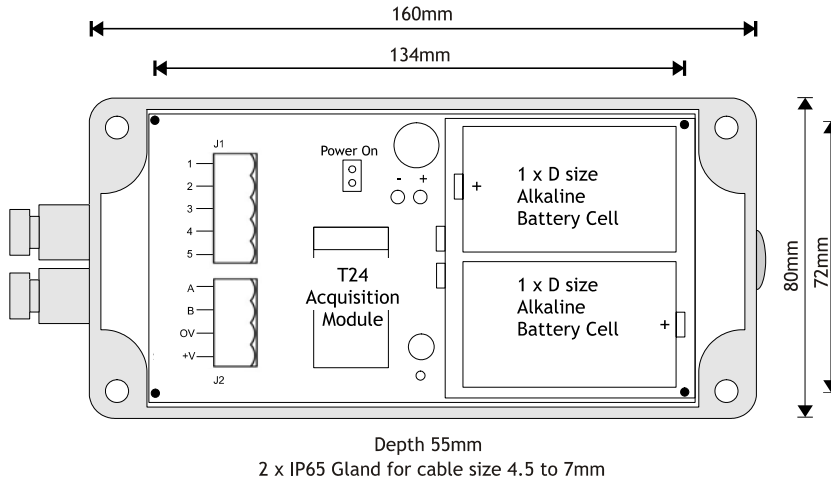
IP rating		IP65		
Operating temperature range	-10		+50	C
Storage temperature	-40		+85	C
Humidity	0		95	%RH

Product Order Codes

T24-SAi	Strain Gauge Acquisition Module internal antenna	T24-HS	Handheld Reader Simple
T24-SAe	Strain Gauge Acquisition Module with socket for external antenna	T24-HA	Handheld Reader Advanced
T24-VAi	Voltage Acquisition Module internal antenna	T24-BSu	Base Station USB
T24-VAe	Voltage Acquisition Module with socket for external antenna	T24-BSi	Base Station Industrial
T24-IAi	Current Acquisition Module internal antenna	T24-SO	Serial Output
T24-IAe	Current Acquisition Module with socket for external antenna	T24-BC1	Battery Charger
T24-SAfi	'Fast' Strain Gauge Acquisition Module internal antenna	T24-ACM	Single Channel Acquisition Connectivity Module
T24-SAfe	'Fast' Strain Gauge Acquisition Module with socket for external antenna	T24-PR1	Thermal Printer

Mechanical Dimensions

Case dimensions	160 x 80 x 55mm
Case materials	Light grey ABS with IP65 cable glands
Terminals	2.5mm, rising clamp field terminals
Accessibility	All electronics accessible by removing lid
Power Supply	From 'on-board' batteries (2 x D size Alkaline) please note these batteries are not included



Approvals

CE, Complies with EMC directive. 2004/108/EC
The Radio Equipment and Telecommunications Terminal Equipment (R&TTE) Directive, 1999/5/EC.



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In the interests of continued product development, Procter & Chester (Measurements) Ltd reserves the right to alter product specifications without prior notice.