

Description

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 license-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.

The following acquisition modules are suitable for use mounting in the T24-ACM: -

- T24-SAi
Strain Gauge Acquisition Module internal antenna
- T24-VAi
Voltage Acquisition Module internal antenna
- T24-IAi
Current Acquisition Module internal antenna
- T24-Safi
'Fast' Strain Gauge Acquisition Module
internal antenna

Typical Applications

- Crane Weighing and Overload Protection
- Production machining condition monitoring
- Vessel Weighing
- Vehicle Weighing

T24-ACM Single Channel Wireless Telemetry Docking 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
- IP65 sealed enclosure

Single Channel Wireless Telemetry Docking Module

TYPE: T24-ACM

Specification

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

Environmental	Min	Typical	Max	Units
IP rating	IP65			
Operating temperature range	-10		+50	°C
Storage temperature	-40		+85	°C
Humidity	0		95	%RH

Mechanical

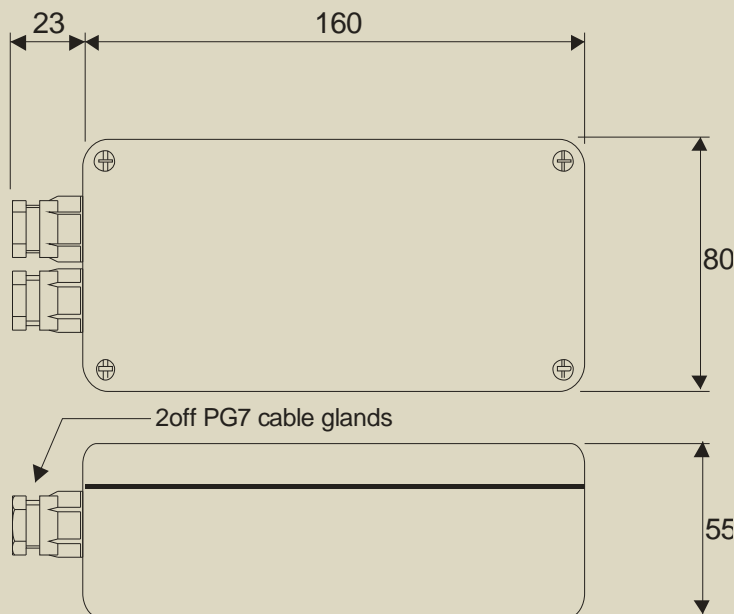
Case dimensions	160 x 80 x 55mm
Case materials	Light grey ABS with IP65 cable glands
Terminals	2.5mm, rising clamp field terminals
Accessibility	All electronics accessible by removing lid
Power Supply	From 'on-board' batteries (2 x D size cells Alkaline) please note these batteries are not included

Product Order Codes

T24-SAi	Strain gauge acquisition module internal antenna	T24-HS	Handheld Reader – simple version
T24-SAe	Strain gauge acquisition module external antenna	T24-HA	Handheld Reader – Advanced version
T24-VAi	Voltage acquisition module internal antenna	T24-BSu	Base Station - USB
T24-VAe	Voltage acquisition module external antenna	T24-BSi	Base Station – Industrial
T24-IAi	Current acquisition module internal antenna	T24-SO	Serial Output Module
T24-IAe	Current acquisition module external antenna	T24-BC1	Battery Charger/Voltage Regulator
T24-SAfi	"Fast" strain gauge acquisition module internal antenna	T24-ACM	Single Channel Acquisition Docking Module
T24-SAfe	"Fast" strain gauge acquisition module external antenna	T24-PR1	Thermal Printer

Mechanical Dimensions

All dimensions in millimeters



Due to continual product development, LCM Systems Ltd. reserves the right to alter product specifications without prior notice.

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