



---

**RAAD Box™**

Smart Sensor Network

---

## **Embeds Intelligence Into Weighing Applications**

**METTLER TOLEDO**



## Convert conventional strain gauge load cell systems into a smart sensor network.

With the RAAD Box™, conventional strain gauge load cell systems can be transformed into advanced sensor networks. Instead of analyzing the combined signal from every load cell in the system, the RAAD Box embeds intelligence into each individual load cell, enabling you to analyze your system at the lowest level. Failures can be detected immediately, guarding you against costly downtime or product waste. Unique weighing applications can be addressed, providing cost effective solutions to today's real world challenges.

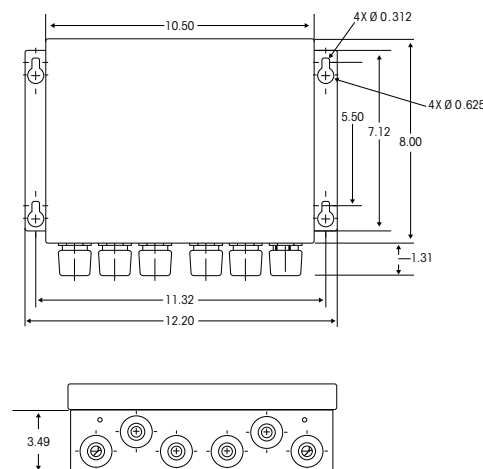
The RAAD Box accepts conventional 2 mV/V or 3mV/V analog strain gauge load cells and is compatible with METTLER TOLEDO'S JAGUAR®, JAGXTREME™ and COUGAR® terminals.

### Specifications

Physical Dimensions (W x D x H)	30.98 cm x 22.0 cm x 8.87 cm (12.20" x 8.66" x 3.49")
Operating Temperature	-10°C to 40°C (14°F to 113°F)
Power	Supplied from hosting terminal's data connection
Environmental Protection	NEMA 4X enclosure

Features	Benefits
Analog to Digital Conversion	Stronger signal free from RFI influence
Predictive Maintenance Diagnostics	Prevents wasted product, reduces downtime
4 MTX POWERCELL Cards	Allows connection to 4 analog load cells
Daisy Chain Multiple RAAD Boxes	Connect up to 6 RAAD Boxes
Connect up to 24 Analog Load Cells	Great for vehicle scale conversions
Update Rate	18Hz
Resolution	Full scale resolution of A/D 500,000 counts per cell
Load Cell Compatibility	2mV/V or 3mV/V analog load cells
Compensating "Run Flat" Technology	Continue production runs until defective load cell can be replaced
Monitor Individual Load Cell Channels	Great for diagnostics as well as special applications such as C of G determination.
Connections	Terminal strips for field wiring
Hazardous Area Approval (Pending)	Factory Mutual and KEMA approved when used with METTLER TOLEDO intrinsically safe instruments.
NTEP Certified, OIML Pending	Legal - for-trade applications

- **Reduces Costs** – The RAAD Box reduces the costs and increases the availability of your system through online condition monitoring and diagnostics of each analog load cell.
- **Embeds Intelligence** – Embeds micro-processor intelligence into conventional strain gauge load cells.
- **Compatibility** – Compatibility to 2 mV/V or 3 mV/V analog load cells assures hassle-free load cell replacement.
- **Combine with the JAGXTREME Terminal** – Combine the RAAD Box with JAGXTREME, and predict, record and protect against failures and costly down time.



Produced in a facility that is



For more information, contact your authorized METTLER TOLEDO representative or one of the regional offices below.

	TEL	FAX	TEL	FAX	
<b>METTLER TOLEDO</b>	Australia (61-3) 9644 5700	(61-3) 9645 3935	Korea (82-2) 518-2004	(82-2) 518-0813	<b>Internet</b>
<b>USA and Canada</b>	Austria (43-1) 604 1980	(43-1) 604 2880	Malaysia (60-3) 703-2773	(60-3) 703 8773	www.ml.com
1900 Polaris Parkway	Belgium (32-2) 334 0211	(32-2) 378 1665	Mexico (52-5) 547 5700	(52-5) 541 2228	Specifications subject to change without notice.
Columbus, Ohio 43240	Brazil (55-11) 421 5737	(55-11) 7295-1692	Netherlands (31-344) 638363	(31-344) 638390	
TEL. (800) 786-0038	China (Industrial) (86-519) 6642040	(86-519) 6641991	Norway (47-22) 30 44 90	(47-22) 32 70 02	© 2000 Mettler-Toledo, Inc.
(614) 438-4511	China (Systems) (86-21) 6485-0435	(86-21) 6485-3351	Poland (48-22) 651 9232	(48-22) 651-7172	Printed in USA.
FAX (614) 438-4900	Croatia (385-1) 23 36 317	(385-1) 23 04 147*	Russia (7-095) 921 9211	(7-095) 921 6353	
	Czech Republic (420-2) 254962	(420-2) 24247583	Singapore (65) 778 6779	(65) 778 6639	
	Denmark (45-43) 27 08 00	(45-43) 27 08 28	Slovak Republic (421-7) 43 42 74 96	(421-7) 43 33 71 90	
	France (33-1) 30 97 17 17	(33-1) 30 97 16 16	Slovenia (386-61) 162 1801	(386-61) 162 1789*	
	Germany (49-641) 50 70	(49-641) 52951	Spain (34-93) 223 2222	(34-93) 223 0271	
<b>Headquarters</b>	Hungary (36-1) 257 9889	(36-1) 256 2175	Sweden (46-8) 702 50 00	(46-8) 642 45 62	
8606 Greifensee	India (91-22) 857-0808	(91-22) 857-5071	Switzerland (41-1) 944 45 45	(41-1) 944 45 10	
Switzerland	Italy (39-2) 333321	(39-2) 356-2973	Taiwan (886-2) 2579-5955	(886-2) 2579-5977	
	Japan (81-6) 6949-5901	(81-6) 6949-5944	Thailand (66-2) 719 6480	(66-2) 719 6479	
TEL. (41-1) 944 22 11	Kazakhstan (7-3272) 50 63 69	(7-3272) 60 88 35	United Kingdom (44-116) 235 7070	(44-116) 236 6399	
FAX (41-1) 944 30 60					*Call for fax.