

TEDS-Enabled Cable Assemblies

Test & Measurement Sensors



DESCRIPTION

Honeywell provides a wide range of accessories for our test and measurement sensor products, which are designed to meet additional requirements for most customer applications.

Honeywell's new generation of test and measurement sensors support the RJ45 connection with an embedded TEDS chip, which allows plug and play connection into the National Instruments 9237-C Series data acquisition modules. Honeywell's TEDS-enabled cable assemblies can be purchased as an additional accessory item with a new sensor purchase or separately to fit your existing Honeywell test and measurement sensors (see chart for compatible models).

If you don't see exactly what you need listed below, or have special requirements for your particular application or operating environment, please contact Honeywell for assistance.

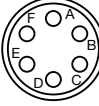
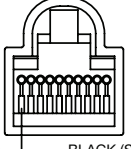
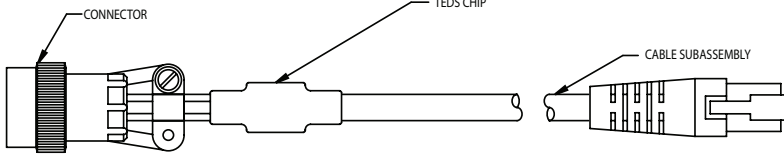
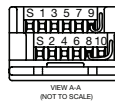
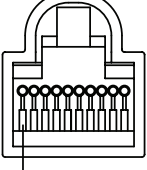
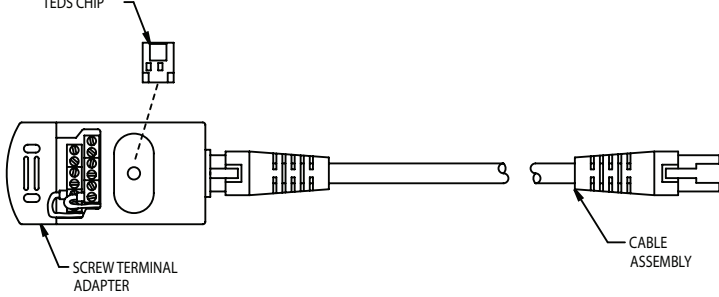
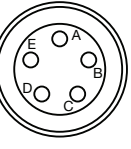
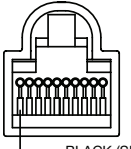
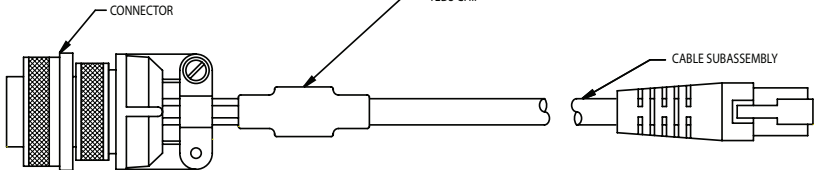
FEATURES

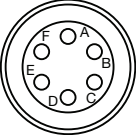
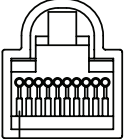
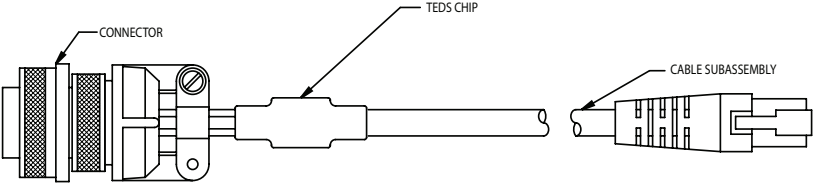

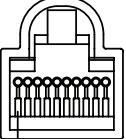
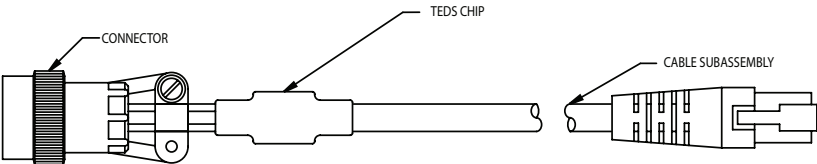
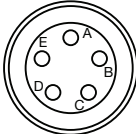
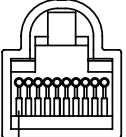
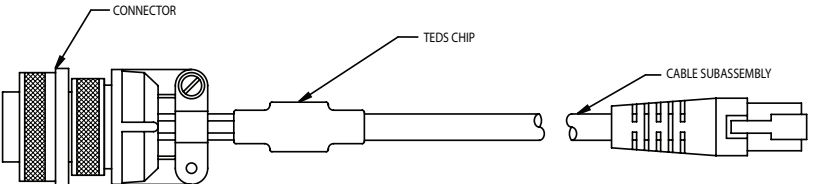
- Connect sensors to a PC via USB, Ethernet, or wireless communication
- Helps reduce installation and setup time, by eliminating need to review wiring diagrams, or worry about power source and load calibration data
- Accurate/reliable readings by electronic calibration data loaded directly from TEDS, maintaining data integrity
- Reduced compatibility risk with pre-tested sensor and instrumentation system components
- Helps increase engineer productivity, improve testing reliability, and reduce installation costs

TEDS-Enabled Cable Assemblies

CABLE CONNECTOR WIRING CODES

You can determine the proper TEDS cable part number by knowing your model number or order code of your sensor and selecting from 3, 10, or 25 ft. length option. Below are the wiring details of the cable assemblies. Following these charts are the tables referenced by product type (pressure, load, or torque) and model/order codes cross references.

	Cable/Connector Type	Base Order Code	Left Side	Right Side
Chart A.	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	060-0604-167	<p>PIN DESIGNATION</p> <p>A (+)EXCITATION B (+)EXCITATION C (-)EXCITATION D (-)EXCITATION E (-)OUTPUT F (+)OUTPUT</p> 	 <p>N/C ← BLACK (SHUNT) F ← GREY (+SIGNAL) E ← WHITE (-SIGNAL) A,B ← RED (+SENSE) C,D ← ORANGE (-SENSE) A,B ← BLUE (+EXCITATION) C,D ← PURPLE (-EXCITATION) BROWN ← YELLOW (TEDS) BLUE ← GREEN (TEDS) N/C ← BROWN (SHUNT)</p>
				
Chart B.	Screw terminal to RJ50	060-0604-168	<p>PIN DESIGNATION</p> <p>S.) SHIELD 1.) SHUNT 2.) (+)SIGNAL 3.) (-)SIGNAL 4.) (+)SENSE 5.) (-)SENSE 6.) (+)EXCITATION 7.) (-)EXCITATION 8.) TEDS DATA 9.) TEDS RETURN 10.) SHUNT</p> 	 <p>1.) ← BLACK (SHUNT) 2.) ← GREY (+SIGNAL) 3.) ← WHITE (-SIGNAL) 4.) ← RED (+SENSE) 5.) ← ORANGE (-SENSE) 6.) ← BLUE (+EXCITATION) 7.) ← PURPLE (-EXCITATION) 8.) ← YELLOW (TEDS) 9.) ← GREEN (TEDS) 10.) ← BROWN (SHUNT) CASE ← SHIELD</p>
				
Chart C.	Amphenol type, 5 socket, Shell Size 14 to RJ50	060-0604-169	<p>PIN DESIGNATION</p> <p>A (-)SIGNAL B (+)EXCITATION C (-)EXCITATION D (+)SIGNAL E N/C</p> 	 <p>N/C ← BLACK (SHUNT) D ← GREY (+SIGNAL) A ← WHITE (-SIGNAL) B ← RED (+SENSE) C ← ORANGE (-SENSE) B ← BLUE (+EXCITATION) C ← PURPLE (-EXCITATION) BROWN ← YELLOW (TEDS) BLUE ← GREEN (TEDS) N/C ← BROWN (SHUNT)</p>
				

	Cable/Connector Type	Base Order Code	Left Side	Right Side
Chart D.	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	060-0604-170	<p>PIN DESIGNATION</p> <p>A (+)EXCITATION B (+)EXCITATION C (-)EXCITATION D (-)EXCITATION E (-)OUTPUT F (+)OUTPUT</p> 	 <p>N/C ← BLACK (SHUNT) D ← GREY (+SIGNAL) A ← WHITE (-SIGNAL) B ← RED (+SENSE) C ← ORANGE (-SENSE) B ← BLUE (+EXCITATION) C ← PURPLE (-EXCITATION) BROWN ← YELLOW (TEDS) BLUE ← GREEN (TEDS) N/C ← BROWN (SHUNT)</p>
				
Chart E.	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	060-0604-171	<p>PIN DESIGNATION</p> <p>A (+)EXCITATION B (+)SIGNAL C (-)SIGNAL D (-)EXCITATION E N/C F N/C</p> 	 <p>N/C ← BLACK (SHUNT) B ← GREY (+SIGNAL) C ← WHITE (-SIGNAL) A ← RED (+SENSE) D ← ORANGE (-SENSE) A ← BLUE (+EXCITATION) D ← PURPLE (-EXCITATION) BROWN ← YELLOW (TEDS) BLUE ← GREEN (TEDS) N/C ← BROWN (SHUNT)</p>
				
Chart F.	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	060-0604-173	<p>PIN DESIGNATION</p> <p>A (+)EXCITATION B (+)SIGNAL C (-)SIGNAL D (-)EXCITATION E N/C</p> 	 <p>N/C ← BLACK (SHUNT) B ← GREY (+SIGNAL) C ← WHITE (-SIGNAL) A ← RED (+SENSE) D ← ORANGE (-SENSE) A ← BLUE (+EXCITATION) D ← PURPLE (-EXCITATION) BROWN ← YELLOW (TEDS) BLUE ← GREEN (TEDS) N/C ← BROWN (SHUNT)</p>
				

TEDS-Enabled Cable Assemblies

PRESSURE SENSORS

Model Number	Order Code	Special Notes	Cable Connector Type	Wiring Chart	TEDS-Enabled Cable Assembly Part Number		
					3 ft Cable Length [-01 added to base order code]	10 ft Cable Length [-02 added to base order code]	25 ft Cable Length [-03 added to base order code]
A-105	AP311		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
A-205	BP312						
A-5	AP141						
A-5	AP142						
AS17A	AP161						
AS19G	AP162						
F	BP340 to BP346		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
FP2000	FPA, FPG, FPB, FPV, FPW	Option 6a	Bendix type PT06A-10-6S to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
FP2000	FPA, FPG, FPB, FPV, FPW	Option 6m & 6n			Consult Engineering	Consult Engineering	Consult Engineering
FP2000	FPA, FPG, FPB, FPV, FPW	Option 6q & 6r	Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
G	BP386		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
G	BP387						
HP	BP521		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
LM	BP211		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
S	BP357						
S	BP358						
TJE	AP121		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
Super TJE	AP111						
Super TJE	AP112						
Z	AP131		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
Z	AP132						

DIFFERENTIAL PRESSURE SENSORS

Model Number	Order Code	Cable Connector Type	Wiring Chart	TEDS-Enabled Cable Assembly Part Number		
				3 ft Cable Length <i>[-01 added to base order code]</i>	10 ft Cable Length <i>[-02 added to base order code]</i>	25 ft Cable Length <i>[-03 added to base order code]</i>
A-5 Low	AD112	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
A-5 Mid	AD123					
A-5 High	BD142					
AS25D	BD313	Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
HL-A-5	BD512	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
HL-Z	BD511					
KZ Low	AD115					
P-30-P	BD311	Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
P-30-P	BD312					
TJE Low	AD114	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
TJE Mid	BD121					
Z Low	AD111					
Z Mid	AD122					
Z High	BD141					

TEDS-Enabled Cable Assemblies

LOAD CELLS

Model Number	Order Code	Load Ranges	Cable Connector Type	Wiring Chart	TEDS-Enabled Cable Assembly Part Number		
					3 ft Cable Length [-01 added to base order code]	10 ft Cable Length [-02 added to base order code]	25 ft Cable Length [-03 added to base order code]
11	BL321		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
13	AL322						
31	AL311						
34	AL312						
41	AL111	5 lb to 5000 lb	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
43	AL112						
41	AL111	7500 lb to 500000 lb	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03
43	AL112						
45	AL116				Consult Engineering	Consult Engineering	Consult Engineering
47	AL117						
53	AL131	50 lb to 2000 lb	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
73	BL113						
75	BL114						
73	BL113						
75	BL114	3000 to 200000 lb	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03
75	BL114						
101	BL803		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
102	BL804						
103	BL805						
123	BL810						
125	BL811						
127	BL807						
129	BL808						
3108	3108						
3124	3124						
3127	3127						
3129-112	3129-112						
3129-121	3129-121						
3130	3130		Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
3130-131	3130-131						

LOAD CELLS, continued...

Model Number	Order Code	Load Ranges	Cable Connector Type	Wiring Chart	TEDS-Enabled Cable Assembly Part Number		
					3 ft Cable Length [-01 added to base order code]	10 ft Cable Length [-02 added to base order code]	25 ft Cable Length [-03 added to base order code]
3132	3132						
3140 Series, 3140-P Series, 3140-CS Series	3143 to 3146		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
	3149-FR						
3156 Series	3156		Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
	3156-133						
3161	3161		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
3167	3167		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
3170 Series	3173 to 3176		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
3336	3336				Consult Engineering	Consult Engineering	Consult Engineering
3397	3397		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
3419	3419		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
3632	3632		Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
3663	3663				Consult Engineering	Consult Engineering	Consult Engineering
3719	3719		Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
6443	6443		Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	C	060-0604-169-01	060-0604-169-02	060-0604-169-03
6443-105	6443-105						
6443-106	6443-106						
6443-123	6443-123						
AL-JP	TL121				Consult Engineering	Consult Engineering	Consult Engineering
AL-SC	TL131						
D	BL912 to BL915		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
LFH-71	BL351						
LP	AL441						
MBH	BL342						
MBL	BL341						
MPB	BL515	2000 lb to 10000 lb					
MPB	BL515	20000 lb to 200000 lb	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03
RF	AL414	75000 lb to 200000 lb					

TEDS-Enabled Cable Assemblies

LOAD CELLS, continued...

Model Number	Order Code	Load Ranges	Cable Connector Type	Wiring Chart	TEDS-Enabled Cable Assembly Part Number		
					3 ft Cable Length <i>[-01 added to base order code]</i>	10 ft Cable Length <i>[-02 added to base order code]</i>	25 ft Cable Length <i>[-03 added to base order code]</i>
RF	AL414	2000 lb to 50000 lb	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
RGF	AL428						
RGH	AL427						
RGM	AL426						
RH	AL419	75000 lb to 200000 lb	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03
RH	AL419	2000 lb to 50000 lb	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
RM	AL413	75000 lb to 200000 lb	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03
RM	AL413	2000 lb to 50000 lb	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
TH	BL911		Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
UG	BL122		Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03

TORQUE

				TEDS-Enabled Cable Assembly Part Number		
Model Number	Order Code	Cable Connector Type	Wiring Chart	3 ft Cable Length <i>[-01 added to base order code]</i>	10 ft Cable Length <i>[-02 added to base order code]</i>	25 ft Cable Length <i>[-03 added to base order code]</i>
1102	1102	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
1103	1103					
1100 Series	1104 to 1107	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
1228	1228	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
1246	1246	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
1248	1248	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
1254/ 1254E Series	1254 and 1254E Series			Consult Engineering	Consult Engineering	Consult Engineering
1369	1369					
1388-102	1388-102	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
1388-124	1388-124			Consult Engineering	Consult Engineering	Consult Engineering
1600 Series	1602 to 1607					
1800 Series	1804 to 1807			Consult Engineering	Consult Engineering	Consult Engineering
1815 Series	1815A 1815K					
2102	2102	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
2105	2105	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
2110 Series	2110 to 2116	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
2120	2120	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	E	060-0604-171-01	060-0604-171-02	060-0604-171-03
2120 Series	2121 to 2126	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03 060-0604-173-03
2133-300 Series	2133-300 Series	Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
2320	2320	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
2404	2404					
6459	6459			Consult Engineering	Consult Engineering	Consult Engineering
6400 Series	6467 to 6470	Amphenol type, 5 socket, MS3106, Shell Size 14 to RJ50	F	060-0604-173-01	060-0604-173-02	060-0604-173-03
QFFH-9	BT121	Bendix type, 6 socket, PT06, Shell Size 10 to RJ50	A	060-0604-167-01	060-0604-167-02	060-0604-167-03
QSFK-9	BT111	Amphenol type, 6 socket, MS3106, Shell Size 14 to RJ50	D	060-0604-170-01	060-0604-170-02	060-0604-170-03
QWFK-8M	BT311	Screw terminal to RJ50	B	060-0604-168-01	060-0604-168-02	060-0604-168-03
QWLC-8M	BT312					

Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

WARNING

PERSONAL INJURY

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

WARNING

MISUSE OF DOCUMENTATION

- The information presented in this datasheet is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

Find out more

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office. To learn more about Honeywell's test and measurement products, call **+1-614-850-5000**, visit **<http://measurementsensors.honeywell.com>**, or e-mail inquiries to **info.tm@honeywell.com**

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