

# FUTEK MODEL ZCO900

Drawing Number: FI1267

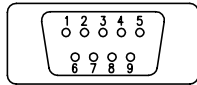
INCH [mm]

# DB9 MALE / FEMALE CONNECTOR

FOR CONNECTION WITH FUTEK MODEL CSG110, IAC160 & IBT500

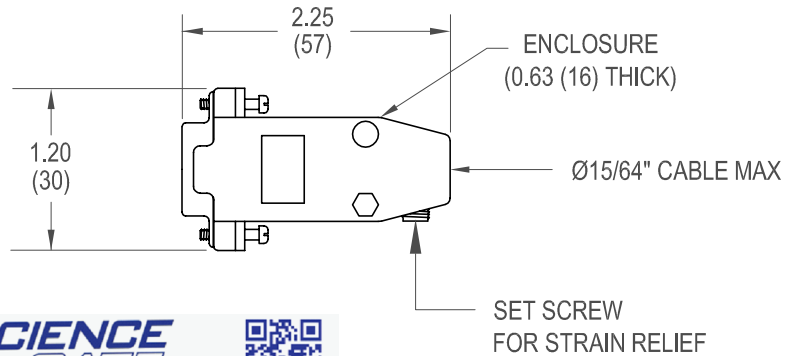
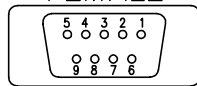
STOCK# FSH01075

MALE



STOCK# FSH01076

FEMALE



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DB9 FEMALE (CSG110 POWER SIDE)	
PIN #	WIRE CODE
1	4 - 20 mA
2	RETURN (CURRENT)
3	SHIELD
6	GROUND (POWER)
7	RETURN (VOLTAGE)
8	SIGNAL OUT (VOLTAGE)
9	+12 - 24 VDC

DB9 MALE (CSG110 SENSOR SIDE)	
PIN #	WIRE CODE
1	+ EXCITATION / + SENSE*
2	+ SIGNAL
3	- SIGNAL
4	- EXCITATION
5	SHIELD
6	- SENSE*

\*SENSE CONNECTION OPTIONAL  
USED WITH SIX WIRE SYSTEMS

DB9 MALE (IAC160) PIN CONNECTIONS		
WIRE CODE	PIN# (6 WIRE)	PIN# (4 WIRE)
1	+SIGNAL	+SIGNAL
2	+EXCITATION	+EXCITATION
4	+SENSE	N/A
5	TEDS DATA	TEDS DATA
6	-SIGNAL	-SIGNAL
7	-EXCITATION	-EXCITATION
8	-SENSE	N/A
9	TEDS GND	TEDS GND

DB9 FEMALE (IBT500)			
PIN #	WIRE CODE (RELAYS)	WIRE CODE (ANALOG OUT)	WIRE CODE (RS232/RS485)
1	RELAY 1 N/O	0 - 10 VDC	NO CON (ISO GND)
2	RELAY 1 N/C	0 - 20 mA	RX (BTX)
3	COMMON	GROUND	TX (+ATX)
4	NO CONNECTION	NO CONNECTION	NO CON (ARX)
5	RELAY 2 N/O	NO CONNECTION	ISO GND (BRX)
6	RELAY 2 N/C	NO CONNECTION	NO CON (ISO GND)
7	COMMON	NO CONNECTION	NO CONNECTION
8	NO CONNECTION	NO CONNECTION	RTS
9	NO CONNECTION	NO CONNECTION	NO CONNECTION

DB9 MALE (IBT500)		
PIN #	WIRE CODE (SENSOR)	WIRE CODE (SENSOR w/ TEDS)
1	+EXCITATION	+SIGNAL
2	+SIGNAL	+EXCITATION
3	-SIGNAL	NO CONNECTION
4	-EXCITATION	+SENSE
5	+SENSE*	TEDS DATA
6	-SENSE*	-SIGNAL
7	NO CONNECTION	-EXCITATION
8	NO CONNECTION	-SENSE
9	NO CONNECTION	TEDS GND

\*4 WIRE SYSTEM MUST JUMP PIN 5 TO PIN 1 AND PIN 6 TO PIN 4.



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**CAGE CODE # 1X8M6**

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