

Model CTO

Oil Filled Melt Pressure Transmitter Food, Packaging & Medical Processing Applications

Product Introduction

ONEhalf20 Model CTO Oil Filled Melt Pressure Transmitter is designed specifically for food, packaging and medical processing applications. The food grade oil fill material meets the requirements of both the FDA and the USDA. This series of melt pressure transmitter utilizes a Wheatstone Bridge - bonded strain gauge design insuring high accuracy, reliability and repeatability.

ONEhalf20 Model CTO Oil Filled Melt Pressure Transmitter has a 6" rigid stem along with 18" of flex capillary for optimum thermal isolation.

General Specifications

Mechanical

Pressure Ranges: 0-1,000 psi to 0-10,000 psi metric ranges available 1/2-20 UNF thread Mounting: Mounting Torque: 500 inch pounds maximum Diaphragm: 15-5PH stainless steel Overload Capacity: 2 times FSO Temperatures: diaphragm 615°F* electronics 225°F Accuracy: 1% FSO Repeatability: better than 0.20% FSO Zero Balance: +/- 10% FSO * Recommended maximum diaphragm temperature for extended product life 527°F (275°C).

Electrical

Type:bonded strain gauge,
4 leg Wheatstone BridgeBridge Resistance: 350 Ohm +/- 10%Connector:6 pin Bendix style bayonetOutput:4-20 mA or 0-10 VdcExcitation Voltage: 24 VdcCalibration:internal 80% FSOInsulation:1,000 Megohms at 50 Vdc

Features

- zero and span adjustment pots for precise output
- internal 80% shunt calibration
- direct replacement for competitor's models utilizing the Bendix 6 pin bayonet style connector
- all welded all stainless steel construction

Model CTO



CTO With Type J Thermocouple Option



Benefits

- significant price/performance advantage over competitor's models
- reliable, repeatable and accurate pressure measurements
- ease of calibration and installation
- fill material meets the requirements of both the FDA and USDA
- wide variety of pressure ranges
- two year warranty

www.onehalf20.com



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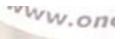
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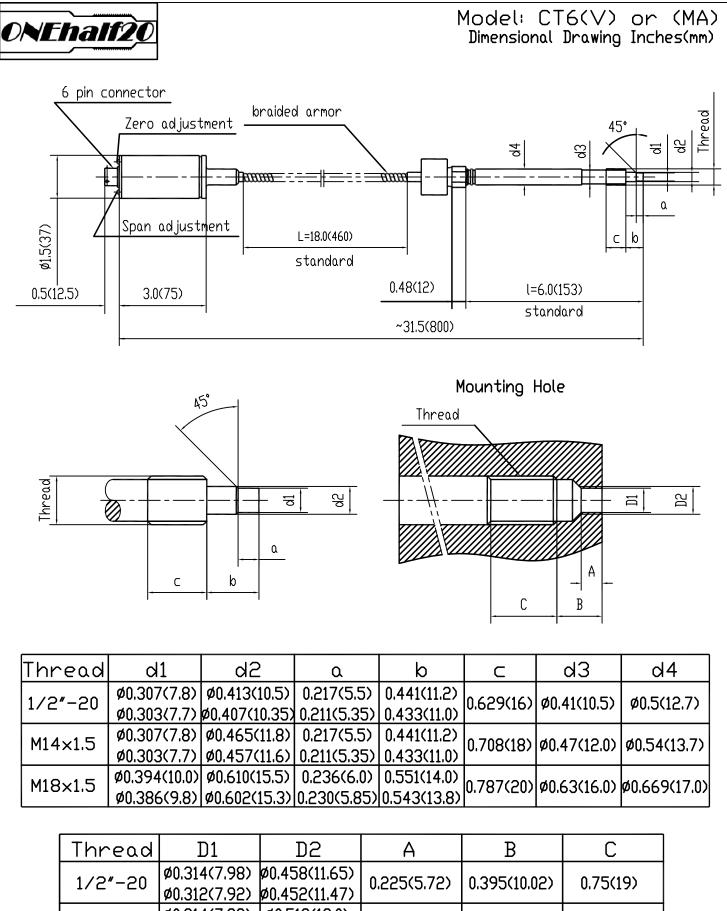
Ordering Guide

2000

Model Numbe	er	Transducer Style				
СТО		rigid stem with 18" of flex capillary				
		Accuracy				
"no des	ignation"	1.0% Accuracy - standard				
		Rigid Stem Length				
3		3"				
6		6" - standard				
12		12"				
		<u>Output</u>				
MA		4-20 mA				
V		0 -10 Vdc				
	Sta	andard Pressure Ranges				
-1M	0 - 1,000 psi	-70B 0 - 70 bar				
-1.5M	0 - 1,500 psi	-1CB 0 - 100 bar				
-3M	0 - 3,000 psi	-2CB 0 - 200 bar				
-5M	0 - 5,000 psi	-3.5CB 0 - 350 bar				
-7.5M	0 - 7,500 psi	-5CB 0 - 500 bar				
-10M	0 - 10,000 psi	-7CB 0 - 700 bar				
		Common Options				
-8PIN	8 pin d	connector in place of standard 6 pin				
-TCJ	Thermocouple Type "J"					
-TCK	Thermocouple Type "K"					
-PT100	100 Ohm Platinum RTD					
-M18	M18 X 1.5 metric thread in place of 1/2-20 UNF					
-FAxx	-FAxx Non-Standard flex armour length (xx specify in inches)					
For con		ed please contact your local ONEhalf20 distributor.				

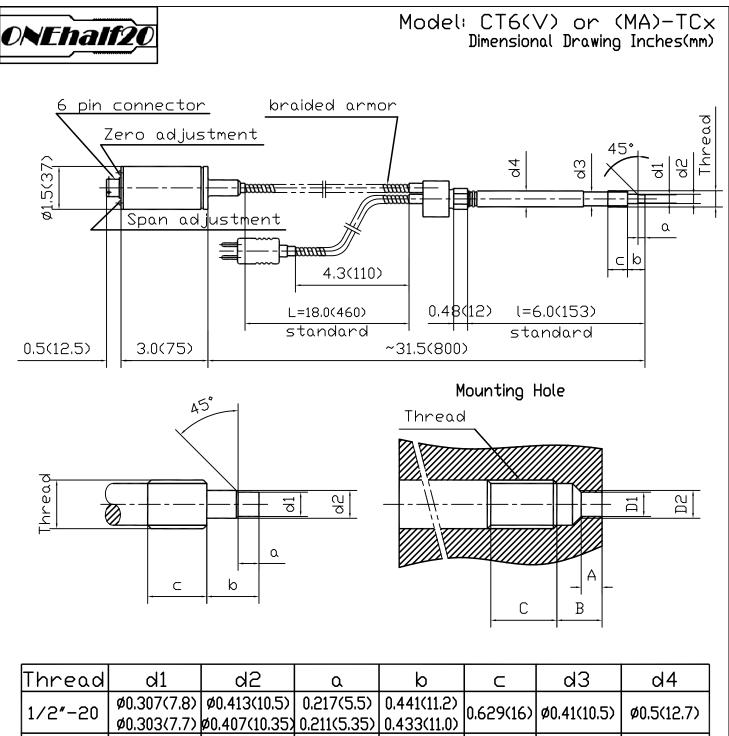
North America Toll Free: 877 781-1881 Other Locations 905 474-5650 www.onehalf20.com





M14×1.5	ø0.314(7.98) ø0.312(7.92)	Ø0.512(13.0) Ø0.504(12.8)	0.225(5.72)	0.395(10.02)	0.827(21)
M18×1.5	ø0.401(10.19) ø0.399(10.13)	ø0.638(16.2) ø0.634(16.1)	0.242(6.15)	0.402(10.15)	1.00(25.4)

DATE: April/2005 V2.0



M14×1.5	Ø0.307(7.8)	Ø0.465(11.8)	0.217(5.5)	0.441(11.2)	0.708(18)	Ø0.47(12.0)	ø0.54(13.7)
	Ø0.303(7.7)	Ø0.457(11.6)	0.211(5.35)	0.433(11.0)			
M18×1.5	Ø0.394(10.0)	Ø0.610(15.5)	0.236(6.0)	0.551(14.0)	0.787(20)	Ø0.63(16.0)	Ø0.669(17.0)
	Ø0.386(9.8)	Ø0.602(15.3)	0.230(5.85)	0.543(13.8)			

Thread	D1	D2	А	В	С
1/2″-20	Ø0.314(7.98) Ø0.312(7.92)		0.225(5.72)	0.395(10.02)	0.75(19)
M14×1.5	Ø0.314(7.98) Ø0.312(7.92)		0.225(5.72)	0.395(10.02)	0.827(21)
M18×1.5	Ø0.401(10.19) Ø0.399(10.13)		0.242(6.15)	0.402(10.15)	1.00(25.4)

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