

CHT SERIES. SMART TRANSMITTER

CHT
ISSUE A

In order to extend the usefulness of their 2HT range of HART® -compatible pressure transmitters, Delta Controls have introduced a tubular-cased version where the electrical connections are made via a Hirschmann plug and socket.

This allows the instruments to be packed at high density in control panels while retaining the robust characteristics that have already given the series a substantial presence in the field, especially under adverse environmental conditions.

Using the identical electronics and sensors as the model 2HT, all the performance characteristics are the same.



HOW TO ORDER

When ordering, please state the relevant product code for each instrument, made up as follows:

Enclosure. See Table 1.

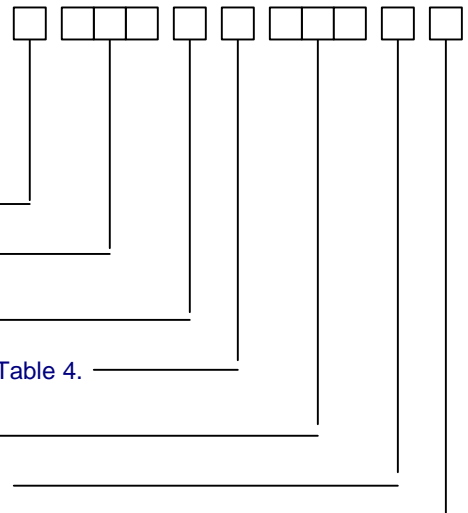
Model. See Table 2.

Electrical Entry. See Table 3.

Material of Wetted Parts. See Table 4.

Ranges. See Table 5.

Electrical Output. See Table 6.



Process Connection. See Table 7. _____

ENCLOSURE

TABLE 1 ■ □ □ □ □ □ □ □ □ □ □

	Code
Weatherproof and Intrinsically Safe	4
Weatherproof only	4

MODEL

TABLE 2 □ ■ ■ ■ □ □ □ □ □ □ □ □

	Code
Compact Smart Transmitter	CHT

ELECTRICAL ENTRY

TABLE 3 □ □ □ □ ■ □ □ □ □ □ □ □

	Code
“Hirshmann” (DIN 43650) Plug & socket.	P

MATERIAL OF WETTED PARTS

TABLE 4 □ □ □ □ □ ■ □ □ □ □ □ □

*Code “R” covers ranges 0 to 1 bar up to 0 to 6 bar. All other Material codes are for ranges 0 to 10 bar up to 0 to 1000 bar.

	Code
Welded 316 stainless steel sensor and process connection.*	R
Welded 17-4 PH or 15-5 PH sensor to 316 stainless steel process connection.	S
Welded nickel alloy (Monel) sensor and process connection.	T
Welded Hastelloy sensor and process connection.	U
Welded Hastelloy sensor to annealed stainless steel process connection.	C

RANGES

* third character, A = absolute,
G = gauge.

TABLE 5

BAR	PSI	Code
0 to 1 bar	0 to 16 psi	DA*
0 to 2 bar	0 to 30 psi	D2*
0 to 6 bar	0 to 100 psi	DE*
0 to 10 bar	0 to 160 psi	EA*
0 to 16 bar	0 to 250 psi	EB*
0 to 40 bar	0 to 600 psi	ED*
0 to 100 bar	0 to 1600 psi	FA*
0 to 400 bar	0 to 6000 psi	FD*
0 to 600 bar	0 to 10,000 psi	FE*
0 to 1000 bar	0 to 16,000 psi	GA*

ELECTRICAL OUTPUT

NOTE : The HART® digital output at all times transmits a signal covering the full working range of the instrument. The 4 to 20 mA analogue output is programmable to cover any DP span between 5% and 100% of the maximum working range. When the HART® protocol is set to multi drop mode, the 4 to 20 mA signal is disabled.

TABLE 6

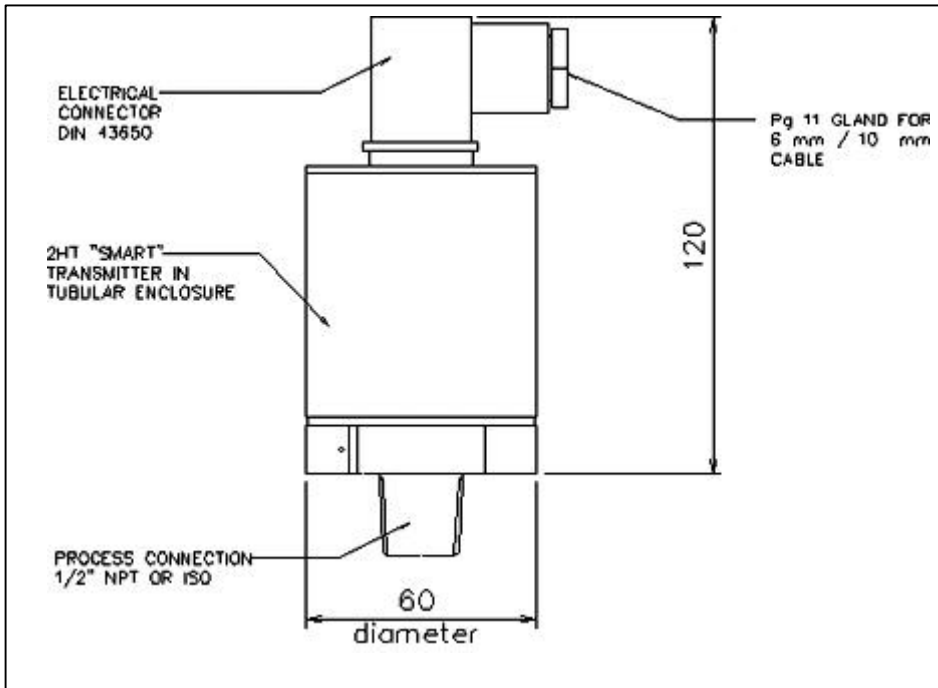
	Code
HART® and 4 to 20 mA. 50 V DC maximum voltage between circuit and ground.	1
HART® and 4 to mA. 500 V AC test voltage between circuit and ground	A

PROCESS CONNECTION

TABLE 7

	Code
½" NPT Male external (Standard)	J
G ½" A to ISO 228 (½" BSP internal, Parallel, spigotted)	N
¼ " Nominal High Pressure Cone and Thread ("Autoclave" F250C)	V

DIMENSIONAL DRAWING



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