



**DPTF 250 / DPTF 850**



**DPT 25 / DPT 250 / DPT 850**

## APPLICATION

The instrument converts the differential pressure into 3-15psi pneumatic signal.

Series 250, 850 enables to measure:

- differential pressure
- flow (quadratic output signal)
- vassel leavels

## FEATURES

External zero adjustment

Good dynamic response

Low maintenance.

Low consumption.

Easily removable components.

## ACCESSORIES

Range depression

Range elevation

Air filter regulator

Protective coating of diaphragm

## MATERIALS

BODY	Cadmiun plated carbon steel AISI 316 on request
COVER	Die cast aluminium with ant corrosive pain
DIAPHRAGM	Stainless steel AISI 316

EU manufacturer

## TECHNICAL DATA

RANGE LIMITS Type DPT 25	0÷127, 0÷635 mmH <sub>2</sub> O 0÷5", 0÷25" H <sub>2</sub> O
RANGE LIMITS Type DPT 250, DPTF 250	0÷508, 0÷6350 mmH <sub>2</sub> O 0÷20", 0÷250" H <sub>2</sub> O
RANGE LIMITS Type DPT 850, DPTF 850	0÷5080, 0÷21590 mmH <sub>2</sub> O 0÷200", 0÷850" H <sub>2</sub> O
DEPRESSION/ELEVATION	0÷100% of span
MAX STATIC PRESSURE	DPT 25      35 Kg/cm <sup>2</sup>
	DPT 250    105 Kg/cm <sup>2</sup>
	DPT 850    105 Kg/cm <sup>2</sup>
	DPTF 250   12,5 Kg/cm <sup>2</sup>
	DPTF 850   12,5 Kg/cm <sup>2</sup>
TEMPERATURE LIMITS	-40 ÷ 120°C
AIR SUPPLY	1,4 bar (20 psi)
OUTPUT SIGNAL	0,2÷1,0 bar (3÷15 psi)
AIR CONSUMPTION	14,5 NI/min
PNEUMATIC CONNECTIONS	1/4" NPT F.
PROCES CONNECTIONS Type DPT 25, DPT 250, DPT 850	1/4"NPT, 1/2"NPT weld type 1/2" Sch 80
PROCES CONNECTIONS Type DPTF 250, DPTF 850	DN 80 PN 16
MOUNTING Type DPT 25, DPT 250, DPT 850	bracket for max 2" pipe
MOUNTING Type DPTF 250, DPTF 850	flanged to process
ACCURACY	± 0,5% of span
REPEATABILITY	± 0,1% of span
SENSITIVITY	± 0,05% of span
REPEATABILITY	± 0,75% for 10°C

