



Pressure measurement system DMS Series



Properties

- Compact key modules for 4 to 32 channels in steps of 4
- Additional analog input 0-10V (for e.g. pressure measurement at the screw) is available as standard.
- Control, operation and mould management takes place via the hot runner control units of series *fitron TP* and *JETmaster TP* (from programme version 3.2)
- Three pressure curves per channel are administered (current, historical 1, historical 2)
- Applicable regardless of brand
- Clear graphic process description
- Contact input for „injection start“ is available as standard.
- The specifications for the cavity pressure and hot runner temperature are stored on mould data records and are compatible with all *TP*-series devices.
- automatic good parts recognition, automatic reject parts recognition

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Technical data

Housing:	Aluminum, colour RAL 5010 gentian blue, special colours available upon request
Dimension/weight:	according to „Equipment designs“ table (see below)
Channels (pressure inputs):	4 to 32 in steps of 4 with BNC connection, measuring range 0 - 2000 bar, Sensitivity 1.5pC/bar to 10pC/bar, 1 analog pressure input 0-10V / 12-Bit
Operation / Visualisation:	Any hot runner control units of the fitron TP or JETmaster TP series (From program version 3.3)
Control inputs:	1 contact input 24VDC for cycle start 1 contact input 24VDC for future expansions
Switching outputs:	1 potential-free contact input (1A/24V) for future expansions
Interfaces:	1x Ethernet to the fitron TP and JETmaster TP control interface, 1x Ethernet for external use
Pressure transducer connection:	see diagram of the equipment
Power supply:	110...240 VAC +10...-10%, 50...60 Hz, 1P / N / PE
Control fuse:	Fusible cut-out MT 6.3 A, 5 x 20 mm
Power supply:	Mains cable with schuko plug length 4m
Ambient temperature:	Operation 0...+50°C, storage -30...+70°C
Climatic application class:	according to DIN 40 040, relative humidity ≤ 75 % in the annual average, no condensation
Protective system:	IP20
Protection class:	I
Safety:	Manufactured according to IEC 348 (DIN VDE 0411)
CE Marking:	EMC acc. 89 / 336 / EEC EN 50081-2, EN 50082 - 2



According to the customer specification, the rear side may differ from this representation.

Equipment designs

Channel	Type	Item no.	Size (mm) W x H x D	Weight ca. kg
4	DMS 4	1700-0000-04	341 x 175 x 250	5
8	DMS 8	1700-0000-08		
12	DMS 12	1700-0000-12		
16	DMS 16	1700-0000-16		
20	DMS 20	1700-0000-20		
24	DMS 24	1700-0000-24		
28	DMS 28	1700-0000-28		
32	DMS 32	1700-0000-32		

0000:
will be replaced by a custom version number in the case of special equipment

Subject to change.

Accessories

Product	
Pressure transducer 2.5 mm	on request
Pressure transducer 4.0 mm	910-00-40
Pressure transducer 5.0 mm	on request
Connection cable 1 channel BNC coupling on triax plug 3m	827-03-14/13
Customer-specific connection cable	on request
Proximity sensor for calculation of the cycle start	910-00-10

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