

FILLCONTROL Mobiles Monitoring System Type 7090A-xpXT

- Mobile FILLCONTROL Monitor version
- For services, tests and laboratory applications



Description and Application

FILLCONTROL Monitor is a comprehensive process monitoring module and serves as base for all PRIAMUS systems.

It offers the opportunity for simple bad part separation as well as for the removal of particular bad parts by assistance of individual alarm signals.

In addition, FILLCONTROL Monitor offers the opportunity to detect the melt position in the cavity, to switchover to holding pressure, automatically or via switching level, as well as to monitor the viscosities. The quality depending monitoring parameters are thereby divided in warning, action and alarm limits.

While the system is normally permanently installed on the injection molding machine, the type 7090A-xpXT offers a mobile version for services, tests, and laboratory applications. Here all required components like cables, amplifiers, and Core are housed in a robust transport case.

Examples

Application	Problem	Example	Solution
General	Parts are not filled	Cable connector	Monitoring of a pressure level
Coinjection	Uncontrolled filling	Food Container	Monitoring of shear rate
Family molds	Different length of flow paths	Model Kits	Monitoring of each single cavity

Technical Data Transport Case Type 7902A

Description	Specification
Dimension	556 × 416 × 293 mm
Empty weight (case incl. foam insert)	8.4 kg
Weight (case incl. foam insert and content)	15.5 kg
Material	Co-polymer Polypropylen
Temperature resistance	-23.3 – 98.9 °C -10 – 210 °F
Waterproof	Yes
Pressure equalising valve	Yes
Certification	Def Stan 81-41 STANAG 4280 MIL-C-4150J ATA 300

Please take the technical data of the single components from the corresponding data sheets.

Dimension of Transport Case Type 7902A [mm]





Variants

Type	No. of measuring channels		BlueLine amplifiers included in the scope of delivery			
	Pressure	Temperature	5080A-4p	5080A-16p	5080A-4T	5080A-16T
7090A-4p4T	4	4	X		X	
7090A-4p16T	4	16	X			X
7090A-16p4T	16	4		X	X	
7090A-16p16T	16	16		X		X

Safety Instructions

- The system may only be operated in the opened case.
- The operation in the closed case is prohibited since the cooling of the system is not guaranteed and causes a permanent damage of the devices.
- The operating temperature in operation of the monitoring system type 7090A-xp-xT must be at a maximum of 40 °C.

Scope of Delivery

Type	Article
7902A	Transport case
8280C	BlueLine Core
7080A Monitor	FILLCONTROL Monitor
5080A-4p or 5080A-16p	BlueLine multi-channel pressure amplifier Please specify the product type when ordering
5080A-4T or 5080A-16T	BlueLine multi-channel temperature amplifier Please specify the product type when ordering
9015A	BlueLine inductive switch
9020A	Touch pen
1280A0.5	BlueLine Hybrid Bus connecting cable (x = 0.5 m)
1283A1	BlueLine Hybrid Bus connecting cable with right angle connector (x = 1 m)