

89XTC

Temperature Compensating Digital Tyre Inflator

Experienced tyre managers understand tyre pressure is a moving target : Changes in tyre and ambient temperatures can see large changes in pressure. All tyre manufacturers however recommend inflating tyres to a set pressure when “cold”. It is impractical in industrial, mining and continuous operation applications to allow tyres to cool for many hours to perform pressure checks.

Specifically designed for such OTR and mining applications, the 89XTC solves this issue by measuring both the tyre's air temperature and pressure, and automatically adjusts the tyre inflation pressure to equate for the difference in temperature from a defined “cold” or ambient temperature of the environment in which the tyre normally operates. The correction is performed against a well-established temperature/pressure correction table programmed into the unit.

The robust wireless temperature transmitter hand-piece contains a thermocouple to measure the air inside the tyre after bleeding a small volume. This value is relayed to the inflator which performs the remainder of the tasks to inflate the tyre to the corrected pressure. No manual temperature and pressure checks and laborious calculations

The 89XTC with easy-to-use digital controls delivers un-paralleled accuracy for maintaining industrial and mining tyres; helping extend the working life and operation of your tyre assets and maintaining safe working conditions for your site operations.

Contact Airtec Corporation for further technical information.

Included Accessories



89XTC

Product Features

- High accuracy, high pressure and high flow inflation up to 10 bar / 145 psi
- Backlit dual display LCD screen displaying relevant pressure and temperatures throughout the operation
- Robust, weather-proof hardware designed to withstand high impact and heavy usage
- Wireless temperature transmitter features rechargeable Li-ion battery, auto-power off
- Easily adjustable base/ambient temperature setting to optimise operation for any environment
- Wet and dry tyre pressure compensation (for normal and liquid filled tyres)
- Supplied with 20m hose kit
- Factory calibrated to ISO/IEC 17025 and is compliant with BS EN 12645 and 86/217/EEC standards

Technical Specifications

Construction	: Diecast aluminium enclosure (IP66 rating)
Dimension	: 269W x 285H x 106D mm
Power requirements	: 220V-240VAC (optional 12VDC or 100~120VAC)
Units of measurement	: psi / kPa / bar / kg/cm ²
Valve block flow rate	: > 4000 litres/min (141 cfm) at 10 bar / 145 psi
Operating range	: 5-145 psi, 35-1000 kPa, 0.3-10.0 bar, 0.4-10.2 kg/cm ²
Accuracy	: +/- 0.5% FS
Display increment (precision)	: 1 psi, 5 kPa, 0.10 bar, 0.1 kg/cm ²
Operating temperature	: 0°C to +60°C [32°F to 140°F] (without heater) : -20°C to +60°C [-4°F to 140°F] (with heater)
Temperature compensation range	: -19°C to +100°C [-2°F to 212°F]



61.0261
20m
Hose Assembly



44.3306
Wireless
Temperature Transmitter



61.0262
0.24m
Hose Assembly
(chuck not included)



91.0225
Large Bore
Lock-On Hose Chuck