

# DeltaCOR

Corrected Differential Pressure Indicator

## AUTOMATIC CALCULATE THE CORRECTED DP IN F/W/S AND MONITOR FILTERS

### IMPROVE YOUR EQUIPMENT PERFORMANCE AND COMPLY WITH LATEST JIG REQUIREMENTS

The new DeltaCOR automatically calculates the corrected differential pressure value in filter/water separator and filter monitor cartridges from the actual differential pressure and observed flow recording the data to be reported in a periodical (batch, daily, weekly...) graph or table.

The device also indicates the lifespan of the filter elements.

High capacity of its internal memory enables data storage for up to two years of operation. In addition to this, the data can be downloaded to a computer. Data extraction between dates generates a report and a graphic of DeltaCOR values registered during the selected period.

Facet's DeltaCOR generates pre-alarms and alarms when the recorded values exceed the set limits based on configurable pre-alarms for each installation.

A pre-alarm will be generated if the corrected dP is 5 psi or more below the previous corrected dP reading. The pre-alarm will also be activated if the flow is lower than 50% of maximum achievable flow, during more than a week (according to JIG guidelines).

The configurable data includes values as multi-language, measurement units (psi, bar, KPa, USGPM, lpm, m<sup>3</sup>/h), rated flow, filter type, and date of installation of new elements.

Information displayed on the screen includes differential pressure (corrected, actual, initial corrected, finish corrected, average corrected, maximum corrected), batch number, flow rate, alarm status, date, time, date elements installed, limit date of actual elements, % of memory available (in SD card).



### Advantages

- Comply with ATA-103 & JIG guidelines.
- Generation of weekly graphs of dP according to JIG bulletin.
- Control of filter/water separators and filter monitor operation.
- Calculation of corrected dP as function of observed flow rate and dP value.
- Alarm & Pre-alarm display.
- Downloadable data via USB connection, compatible with MS Excel®.
- Storage for 2 years of operation.
- Automatic operation when flow is detected.
- Calculation of the lifespan of the filter elements.
- Local shutdown of fuelling operations.



**Facet**  
Filtration Group®

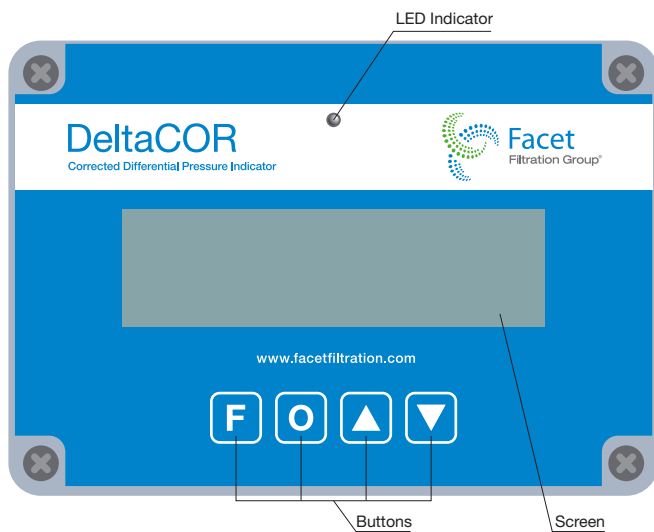
ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

Интернет: [www.tisys.ru](http://www.tisys.ru) [www.tisys.kz](http://www.tisys.kz) [www.tisys.by](http://www.tisys.by) [www.tesec.ru](http://www.tesec.ru) [www.ти-системс.пф](mailto:ti-sistems.pf)

Телефоны: +7 (495) 7774788, 7489626, (925) 5007155, 54, 65 Эл. почта: [info@tisys.ru](mailto:info@tisys.ru) [info@tisys.kz](mailto:info@tisys.kz) [info@tisys.by](mailto:info@tisys.by)

Making the world safer, healthier  
and more productive.

# DeltaCOR



Criteria	Detail
Dimensions	200 x 140 x 90 mm (W x H x D) 7.87 x 5.5 x 3.55 inches (W x H x D)
Input Signals	4-20 mA from DP transmitter 4-20 mA from flow meter Pulses flow Rated Flow (USGPM / m <sup>3</sup> /h / lpm / iGPM) from configuration data
Output	4-20 mA Corrected DP (2) SPDT alarm contact
Supply	12/24 Vdc 85-230 Vac, 50/60 Hz
HIM	Local Display LCD 240x64 dots with led illumination and three lines showing: <ul style="list-style-type: none"> <li>- Corrected DP</li> <li>- Alarm and Pre-alarm, date &amp; time</li> <li>- Actual DP</li> <li>- Flow</li> <li>- Average &amp; Maximum DP after refueling</li> </ul> (4) Membrane keypad configuration pilots led for: <ul style="list-style-type: none"> <li>- Power on</li> <li>- Operating</li> <li>- Pre-alarm</li> <li>- Alarm</li> <li>- Failure</li> </ul>
Measurement Units	Configurable with pushbuttons: <ul style="list-style-type: none"> <li>- PRESSURE: psi / bar / kPa</li> <li>- FLOW: USGPM / m<sup>3</sup>/h / lpm / iGPM</li> </ul>
Enclosure	Min. IP-65 Ambient Temperature: -29 to 70 °C
Data	<ul style="list-style-type: none"> <li>- Storage for 2 years of operation</li> <li>- Downloadable data via USB 2.0 connection, compatible with MS Excel®</li> <li>- Generation of a report and a graphic of the DP registered values</li> <li>- Automatic operation when flow detected</li> <li>- Calculation of the lifespan of the filter elements</li> <li>- Local shutdown fuelling operations</li> </ul>



**Facet**  
Filtration Group®

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ

Интернет: [www.tisys.ru](http://www.tisys.ru) [www.tisys.kz](http://www.tisys.kz) [www.tisys.by](http://www.tisys.by) [www.tesec.ru](http://www.tesec.ru) [www.ти-системс.рф](http://www.ти-системс.рф)

Телефоны: +7 (495) 7774788, 7489626, (925) 5007155, 54, 65 Эл. почта: [info@tisys.ru](mailto:info@tisys.ru) [info@tisys.kz](mailto:info@tisys.kz) [info@tisys.by](mailto:info@tisys.by)