

PHOENIX

- **Special Functions:** Analogue/digital inputs, CAN and internal channels, Automatic Gear Recognition (Rpm/Speed), Lap Time, List Memo, Internal GPS, Data Acquisition in Full Mode
- **LCD:** Segment + Dot Matrix (144x48); 3 Pages
- **Communication Lines:**
CAN 1, B/C std, sw cfg.baudrate,
USB 1, 12 MBit/s
- **Track Marker Input:** TTL, rising edge, EMI filter
- **RPM input:** 1, 0÷5V, Max frequency 2kHz
Sensor types: Hall effect / ignition coil sensor

- **Speed input:** 1, 0÷5V, Max frequency 2kHz
Sensor types: Hall effect / ignition coil sensor
- **Accelerometer:** internal, 3 axis +/-6g
- **Digital inputs:** 4, 0÷5 V, 2 μ s, 10K Ω , max 2000 Hz
- **Digital outputs:** 4, 0-5V
Type: 2 Open Collector, Max 50 mA
2 Low Side, Max 1 A
- **Analogue inputs:** 4, 10 bit (stand alone mode)
8, 10 bit (full mode)
- **Voltage References:** 2, 5 Vdc, 50 mA, internal temperature sensor
- **Supply voltage:** 9÷16 Vdc, Typ. 215mA
- **Operating temperature:** -20 +70°C
- **Material:** PMMA/PC ABS
- **Protection Level:** IP64
- **Dimensions / Weight:** 161x104x52 mm / 200 g
- **Connectors:** DUO TWIN FCI 17284080
- **Note:** Tx elaborated data over CAN



PC software:	Easy or Standard(hw-key)
Max acquisition throughput	16 KB/s
Max laps length	2MB
Max channels	32 (up to 128)
Internal data Memory	16 MB (up to 64 MB)
Frequency range	1 Hz to 500 Hz

DASHBOARDS

FALCON

- **Special Functions:** Analogue/digital Inputs, CAN and internal Channels, Automatic Gear Recognition (Rpm/Speed), Lap Time, List Memo
- **LCD:** Segment; 3 Pages
- **Communication Lines:**
CAN 1, std B/ std C, sw cfg. baudrate (default: std C,1MBit/s)
- **Track Marker Input:** TTL, rising edge, EMI filter
- **RPM input:** 0÷3000 Hz, 4 μ s resolution
Sensor types: Hall effect / magnetic pick-up / ignition coil sensor
- **Speed input:** 0÷3000 Hz, 4 μ s resolution
Sensor types: Hall effect / magnetic pick-up / ignition coil sensor
- **Analogue inputs:** 10, (8 SE, 2 TCK), 0÷5 Vdc, 10 bit
- **Voltage References:** 2, 5 Vdc, 50 mA

- **Supply voltage:** 9÷16 Vdc, Typ. 215mA
- **Operating temperature:** -20 +70°C
- **Material:** PMMA/PC ABS
- **Protection Level:** IP54
- **Dimensions / Weight:** 168x111x34 mm / 405 g
- **Connectors (28pin):** AMPCPC207369-1 (male), AMPCPC206070-1 (female, flying)
- **Note:** Tx elaborated data over CAN
It is also possible to require parts with custom lateral cable harness (in place of standard back-side connector).



EAGLE

- **Special Functions:** Analogue/digital inputs, CAN and internal channels, Lap Time, Data Acquisition
- **LCD:** Dot Matrix (128x112); 3 Pages
- **Communication Lines:**
 CAN 2, C and B standard, sw cfg.baudrate, hw cfg. termin.
 USB 1, 12 MBit/s (Communications operating temp. -10+70°C)
 Serial line ISO-4191 (K line)
- **Track Marker Input:** TTL, rising edge, EMI filter
- **RPM input:** 0÷5V, Max frequency 2kHz
 Sensor types: Hall effect / ignition coil sensor
- **Speed input:** 2, 0÷5V, Max frequency 2kHz (on request 1 digit output)
 Sensor types: Hall effect / ignition coil sensor
- **Digital outputs:** 1, 0÷5V, max 50mA, open collector
- **Analogue inputs:** 10, (5+4 specific SE, 1 TCK), 10 bit
- **Voltage References:** 1, 5Vdc, 100mA, internal temperature sensor
- **Supply voltage:** 9÷16 Vdc, Typ. 200 mA

- **Operating temperature:** -20 +70°C
 - **Material:** PMMA/PC ABS
 - **Protection Level:** IP64
 - **Dimensions / Weight:** 108x100x29 mm / 200 g
 - **Connectors:** AMP serie 040 12+16p
 - **Note:** Tx elaborated data over CAN
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|----------------------------|--------------------------|
| PC software: | Easy or Standard(hw-key) |
| Max channels | 32 |
| Internal data memory | 512KB |
| Max Acquisition throughput | 4 KB/s |
| Frequency range | 10 Hz |



DASHBOARDS

COUGAR

- **Special Functions:** Analogue/digital inputs, CAN and internal channels
- **LCD:** Segment; 3 Pages
- **Communication Lines:** CAN 1, standard C, 1MBit/s
- **Track Marker input:** TTL, rising edge
- **RPM input:** 10÷2000 Hz, 2 µs resolution
 Sensor types: Hall effect / magnetic pick-up
- **Speed input:** 10÷2000 Hz, 2 µs resolution
 Sensor types: Hall effect / magnetic pick-up
- **Analogue inputs:** 6, 0÷5 Vdc, 10 bit
- **Voltage References:** 2, 5 Vdc, 50 mA
- **Supply voltage:** 9÷16 Vdc, Typ. 190mA
- **Operating temperature:** 0 +65° C

- **Material:** PMMA/PC ABS
- **Protection Level:** IP64
- **Dimensions / Weight:** 168x103x30 mm / 330 g
- **Connectors:** AS1-12-35P
- **Note:** Tx elaborated data over CAN

