

HEAVY DUTY HOURMETERS

Rugged hourmeters for O.E.M. applications

DESCRIPTION:

Heavy-duty units are ideal for industrial, specialty vehicle & aircraft applications • Accurate, reliable DC electronic solid-state, DC mini-hourmeter & quartz versions • Numerous ranges: 10-32, 10-50, 10-80 & 30-90 • Fully sealed & dust-proof • Optional inhibited feature • Bold white-on-black graphics • Numerous mounting configurations: U-bracket, 3-hole flange, 4-hole aircraft, 2-hole & clip mounting • Record to either 9999.9 (electronic version) or 99999.9 hours (quartz & mini versions) • Counter wheels • U.L./C.E. approvals on select models

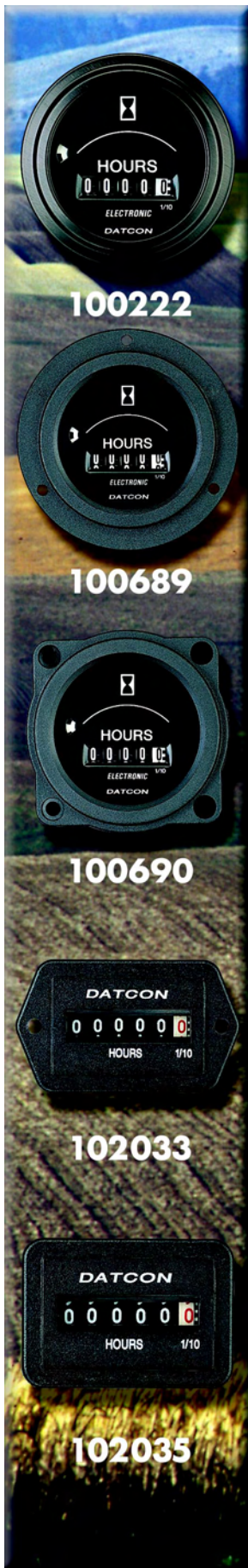
SPECIFICATIONS:

Models:	<i>Model 876:</i> 10-32, 10-50 & 30-90 VDC with U-bracket mounting & inhibited option; <i>Model 871:</i> 10-32, 10-50 & 30-90 VDC with 3-hole flange & inhibited option; <i>Model 873:</i> 10-32 & 30-90 VDC with 3-hole flange or 4-hole aircraft mounting & inhibited option; <i>mini-hourmeters:</i> 10-80 VDC with 2-hole or clip mounting; <i>quartz model:</i> 10-50 VDC
Dimensions:	Standard round units—U-bracket mounting: ~ 58 mm diameter, mounting depth 53 mm; round units—3-hole flange: ~ 73 mm diameter (with flange); round units—aircraft mounting: ~ 63 mm diameter (with flange); mini-hourmeters: ~ 54 mm long x 36 mm wide x 71 mm deep
Digits:	Standard round units: 9,999.9 or 99,999 hours; quartz type & mini-hourmeters: 99,999.9 hours (rolls over to 0 at 100,000 hours)
Bezels:	<i>Model 876:</i> SAE "step", black, anodized; <i>Model 871:</i> elongated "step", black, reinforced PBT; <i>Model 873:</i> aircraft style integrated round "step" with mounting tabs, black, reinforced PBT; <i>mini-hourmeters:</i> integrated into front face, black; <i>quartz model:</i> low-profile, matte black
Accuracy (real-time):	+/- 1% @ 72°F; +/- .02% for mini-hourmeters & quartz models
Electrical connections:	6.35 x 0.8 mm blade terminals; brass/tin-plated; with #8-32 terminal screws (Note: screws for round hourmeters only)
Installation hardware:	<i>Model 876:</i> U-bracket, steel/zinc-plated, with #10-24 nut and washer for mounting (Note: Models 871 & 873 do not include brackets; hardware "kit" includes screws and washers); mini-hour meters: bracket for clip version (Note: no hardware for 2-hole version); quartz model: bracket with spin-on fastener, brass/zinc-plated
Input protection:	Reverse polarity, load dump & field decay per SAE J1810/1378
Sealing:	<i>Models 876, 871 & 873:</i> fully sealed; <i>mini-hourmeter & quartz model:</i> front sealed
Operating temperature:	-40°C to +85°C

APPLICATIONS:

Suitability of application is responsibility of user. Consult with factory representatives or your distributor for more information about the appropriate hourmeter to select for a particular application.





100222

100689

100690

102033

102035

HOURMETERS (ELECTRONIC)

P/N	Model	 Volts	 Bezel	Range (Hours)	Mounting	Inhibited Feature
100222	876	10-32 VDC	Black	9999.9	U-bracket	No
100223	876	10-32 VDC	Polished	9999.9	U-bracket	No
100224	876	10-32 VDC	Black	9999.9	U-bracket	Yes
100225	876	10-32 VDC	Polished	9999.9	U-bracket	Yes
100689	871	10-32 VDC	Black	9999.9	3-hole flange	No
100690	873	10-32 VDC	Black	9999.9	4-hole aircraft	No
100843	871	10-32 VDC	Black	9999.9	3-hole flange	Yes
100844	873	10-32 VDC	Black	9999.9	4-hole aircraft	Yes
102162	876	10-32 VDC	Black	99,999	U-bracket	No
102163	876	10-32 VDC	Polished	99,999	U-bracket	No
102033	Mini	10-80 VDC	Black	99,999.9	2-hole	No
102035	Mini	10-80 VDC	Black	99,999.9	Clip	No
102164	871	30-90 VDC	Black	9999.9	3-hole flange	No
102167	876	30-90 VDC	Polished	9999.9	U-bracket	No
109229	876	30-90 VDC	Black	99,999	U-bracket	No
102169	871	10-32 VDC	Black	99,999	3-hole flange	No

Note: "Inhibited" hourmeters accumulate hours only when the engine is running and a signal is being applied to the unit.

SENTINEL™

P/N	Range (Hours)	 mm	 Volts	Mounting
110190	0-99,999.9	52	10-50 V	Ring
110191	0-99,999.9	52	30-100 V	Ring
110192	0-99,999.9	52	80-170 V	Ring
110193	0-99,999.9	52	160-240 V	Ring

Note: Kit includes hourmeter, mounting ring and blade/terminal connections.

Note: Units are CE approved!

SENTINEL™ ACCESSORIES

P/N	Description
109474	Mounting Ring (Thick)-Replacement
110077	Deluxe Mounting Hardware Kit (Support Ring, Damping Ring-Rubber, Clamping Ring, Thrust Collar and Mounting Ring-Thin)

Note: Consult with factory representatives, your distributor or current Datcon brand price lists for more details and availability regarding alternating current (110 or 220 AC) or mechanical type hourmeters. Maxima recommends that electronic hourmeters be used in lieu of AC or mechanical type whenever possible.

Sentinel™ Hourmeter
(P/N 110190)

